



भारत का राजपत्र

The Gazette of India

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No. 50] NEW DELHI, SATURDAY, DECEMBER 14, 1991 (AGRAHAYANA 23, 1913)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 14th December 1991

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एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 14 दिसम्बर 1991

पेटेंट कार्यालय को कार्यागारों को पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं—

पेटेंट कार्यालय शाखा, टोडो इस्टेट
तीसरा तल, लोअर परल (पश्चिम),
बम्बई-400013

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोवा, वसंत तथा
दिव एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110005

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिक”

पेटेंट कार्यालय शाखा,

61, बालाजाह रोड,

मद्रास-600002

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु, राजा
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, मद्रास्वीप,
मिनिक्काय तथा एमिनिदिब द्वीप ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय)
निजाम पैलेस, द्वितीय बहुस्तरीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020

भारत का अन्वेष क्षेत्र ।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपे-
क्षित सभी आवेदन पत्र, सूचनाएँ, विवरण या अन्य प्रलेख पेटेंट
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जायेंगे ।

शुल्क—शुल्कों की अदायगी या तो नकद की जाएगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनावेश अथवा
आक आदेश या जहाँ उपयुक्त कार्यालय अवस्थित है; उस स्थान के
अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा
चैक द्वारा की जा सकती है ।

CORRIGENDUM

In the Gazette of India Part III, Sec. 2 dated 29-12-90, in page 1470, in Col. 1, for accepted Complete Specification No. 167830, read the title as (a) “A method for making a medicine for curing or preventing bad effect of Dog bite on human or animals” instead of “Medicine for curing or preventing bad effect dog bite on human or animals”; and (b) read “A method for making a medicine for curing....” instead of “A medicine for curing.....” in the opening line of the claim

APPLICATIONS FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20.

The dates shown in the crescent brackets are the dates claimed Under Section 135, of the Patents Act 1970.

The 1st November 1991

823/Cal/91 Hoechst Aktiengesellschaft, Process for the preparation of 2, 5-Di-Phenylamino-Terephthalic Acid and its Dialkyl Esters in a high Purity.

824/Cal/91 The Babcock & Wilcox Company, Easy Access Pop off relief valve.

825/Cal/91 Nico-Pyrotechnik, Hanns-Juergen Diederichs GMBH & Co. KG, Undercalibrated Shell for Recoilles training weapons.

826/Cal/91 Smt Kaveri Dutt, Device for reducing fuel consumption in internal combustion (I.C.) engines (Petrol or Diesel run) and also for lowering Obnoxious Emission levels through the exhaust system of I.C. engines.

827/Cal/91 Franz Plasser Bahnbaumaschinen-Industrie-gesellschaft M.B.H., loading wagon for transporting and storing bulk materials.

828/Cal/91 Franz Plasser Bahnbaumaschinen Industrie-gesellschaft M.B.H., loading wagon for bulk materials.

The 4th November 1991

829/Cal/91 Framcos J. McCabe, counterpressure garment.

830/Cal/91 Hoechst Aktiengesellschaft, process for reducing the discoloration of a Plastic Molding composition at the processing temperature.

831/Cal/91 Eaton Corporation, Floating Ring Gear and differential Gear Assembly.

832/Cal/91 Samsung Electronics Co. Ltd., Linearizing Non-Linear Analog-To-Digital process and circuit.

833/Cal/91 De Nora Premelec S.P.A., method for reactivating Exhausted Electrode structures and reactivated structure.

834/Cal/91 Nesbitt D. Brown; Bhupendra Pannalal Doctor; Joseph Micheal Marasco; Hydrolytic Stabilizer for unstable organic ions

835/Cal/91 Puma AG Rudolf Dassler Sport, shoe with a central fastener.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, IIIrd Floor, KAROL BAGH, NEW DELHI-5.

The 3rd September 1991

802/Del/91 Purelater India Ltd., “A fuel and lubricating oil filter”.

803/Del/91 Uday Gupta, "An electronic insect repeller".

804/Del/91 Thapar Corporate Research & Development Centre, "An improved process for the production of thermostable alphaamylase".

805/Del/91 The Secretary, Deptt. of Non Convention Energy Sources, "A solar still".

806/Del/91 Purolator India Ltd., "A fuel and lubricating oil filter".

807/Del/91 Geep Industrial Syndicate Ltd., "An accessory for running petrol engine with liquid petroleum gas".

808/Del/91 Molecular Technology Corporation, "catalytic decomposition of cyanuric acid and use of product of reduce nitrogen oxide emissions".

809/Del/91 Molecular Technology Corporation, "Conversion of formaldehyde and nitrogen to a gaseous product and use of gaseous product in reduction of nitrogen oxide in effluent gases".

810/Del/91 Molecular Technology Corporation, "Reduction of nitrogen oxide in effluent gases using formaldehyde".

811/Del/91 Molecular Technology Corporation, "Reduction of nitrogen oxide and carbon monoxide in effluent gases".

812/Del/91 Ingersoll-Rand Co., "Twin opposite recentric mount for a rolling piston compressor".

813/Del/91 Shell Internationale Research Maatschappij B. V., "Hydrocarbon oil compositions".

The 4th September 1991

814/Del/91 Ferode Ltd., "Improvements in or relating to brake pads". (Convention date 14th September, 90) (U.K.).

815/Del/91 Veitscher Magnesitwerke-Actien-Gesellschaft, "Apparatus for inserting and extracting purging plugs for metallurgical vessels".

816/Del/91 Alcan International Ltd, "Caustic-based metal battery with seeded recirculating electrolyte".

817/Del/91 B. P. Chemicals Ltd., "Fibre optic cable having a layer of a polyethylene compositions". (Convention date 15th April, 87 [Divisional date 30th March, 88].

The 5th September 1991

818/Del/91 Council of Scientific & Industrial Research, "A process for the preparation of novel coleonol (Forskolin)-l-hemi-succinyl-bovine Serum albumin protein bioconjugate useful as immunogen".

819/Del/91 Council of Scientific & Industrial Research, "A process for the isolation of novel, bioactive and potential antihypertensive agent 9-deoxy-13-epi-coleconol (9-deoxy-13 epiforskolin) from the roots of the plant coleus forskohli ("syn.c. barbatu").

820/Del/91 Council of Scientific & Industrial Research, "A process for the preparation of new i-o (coleonolox-hemicster)".

821/Del/91 Council of Scientific & Industrial Research, "A process for the preparation of new sodium-coleonoxy hemisuccinate, useful as an antihypertensive drug pharmacodynamic agent".

822/Del/91 Council of Scientific & Industrial Research, "A process for the preparation of 5, 6-substituted-3-cyano-4-methylthio-2H-pyran-2-ones having hepatoprotective activity".

823/Del/91 Council of Scientific & Industrial Research, "A process for the preparation of 6-substituted-3-cyano-4-methylthio-2H-pyran-2-ones having hepatoprotective activity".

824/Del/91 Council of Scientific & Industrial Research, "A device useful for controlled formation of thin films of a material particularly semiconductor material on a substrate and a process for the preparation of thin film of a material, particularly compound semiconductor material using the device for application in fabrication of thin film solar cells".

825/Del/91 Council of Scientific & Industrial Research, "An improved process for chemiplating for inhibiting vertical heterojunctions along grain boundaries of semiconductor thin films in the fabrication of thin film solar cells".

826/Del/91 Council of Scientific & Industrial Research, "An improved method for integrated application of conducting grid contacts on to a semiconductor thin film and encapsulation of solar cells made from these semiconductor thin films".

827/Del/91 Council of Scientific & Industrial Research, "An improved electrochemical process for the synthesis of conducting polyanisidine". [Divisional date 5th day of September, 91].

828/Del/91 D. V. Sridharan, "Means of reciprocating two coaxial pistons in a common cylinder at equal or unequal velocities".

The 6th September 1991

829/Del/91 The Lubrizol Corporation, "Process for the recovery of phosphorus compounds from a mixture of hydrogen sulphide and said phosphorus compounds". [Divisional date 17th August, 1988].

830/Del/91 B. P. Chemicals Ltd., "A process for producing a carbamate". (Convention date 25th June, 87) (U.K.) & [Divisional date 27th June, 1988].

831/Del/91 Motorola Inc., "Method and apparatus for selecting transfer of calls in personal communicators".

832/Del/91 Motorola, Inc., "A device for phase shift adjustment of linear transmitters".

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002.

The 23rd September 1991

714/MAS/91 Girvas Vishwanath Shet. A method of preparing small idols of NINE PLANETS (Nava Grahas) for household pooja purposes.

715/MAS/91 Sree Chitra Tirunal Institute for Medical Sciences & Technology. Improved humidifier for air/oxygen or other gases.

716/MAS/91 Sree Chitra Tirunal Institute for Medical Sciences & Technology. A hydrocephalic shunt device.

717/MAS/91 Sree Chitra Tirunal Institute for Medical Sciences & Technology. A process for preparing cross linked PMMA beads.

718/MAS/91 Sree Chitra Tirunal Institute for Medical Sciences & Technology. A process for preparation of hydrogel beads, from poly (Methyl Methacrylate).

719/MAS/91 Minnesota Mining and Manufacturing Company. Transition joint for oil-filled cables.

720/MAS/91 Stamicarbon B. V. Process for the manufacture of objects with a high tensile strength and a high modulus. (Divisional to Patent Application No. 415/MAS/88).

721/MAS/91 M/s. Lakshmi Machine Works Limited, Yarn Breakage Sensors for automation in ring frames.

722/MAS/91 M/s. Lakshmi Machine Works Limited, New Variator System for spinning frames.

The 24th September 1991

723/MAS/91 Union Carbide Company of California. Oil tool release joint.

724/MAS/91 Virgile, Serge Taddei Set of elements for erecting the walls of a house.

725/MAS/91 Electrolux S.A.R.L.. Controlled-environment medical container.

726/MAS/91 Inteltext Systems, Inc.. Interactive home Information system.

727/MAS/91 Sundaram Sathyanarayanan. An improved antenna for use with colour and Black White Television.

728/MAS/91 Alcan International Limited. Plastic Fillers (September 26, 1990; Great Britain).

729/MAS/91 Mauser-Werke GmbH. Accumulator head for slow moulding machine.

730/MAS/91 Recytec SA. Method for dissolving radioactively contaminated surfaces from metal articles.

The 26th September 1991

731/MAS/91 Capt. Rudrappa Chandra Sekhara. A shoe.

732/MAS/91 R. Manohar. High magnification erecting eyepiece for telescope.

733/MAS/91 Koolmill Systems Limited. Surface Abrasive Treatment of small objects. (September 27, 1990; Great Britain).

734/MAS/91 ZVI Orbach. A method of producing customized integrated circuits. (Divisional to Patent Application No. 207/MAS/88).

The 27th September 1991

735/MAS/91 Shasun Chemicals (M) Ltd.. An improved process for the preparation of parahydroxy-acetophenone (PHAP).

Alteration of Date under/section 16

169750 Ante-dated to 29th October, 1985.
(550/Del/88)

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/-

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Typed or photo copies of the specifications together with photo copies of the drawings. If any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित दस्तावेज, उक्त सूचना के साथ अध्या पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए गए वर्गीकरण, भारतीय वर्गीकरण तथा अंतर-राष्ट्रीय वर्गीकरण के अनुरूप है।”

नीचे सूचीगत विनिर्देशों की सीमित संख्याक मुद्रित प्रतियां, भारत सरकार बुक डिपो, 8 किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है (अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों का संस्था संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार, जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके, (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिचालन किया जा सकता है।

Ind. Cl.: 99 C [GROUP XL (4)]

169701

Int Cl.: B 65 D 88/06

BUNG BARREL

Applicant: MAUSER-WERKE GMBH. OF POSTFACH 16 20, 5040 BRUHL, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY

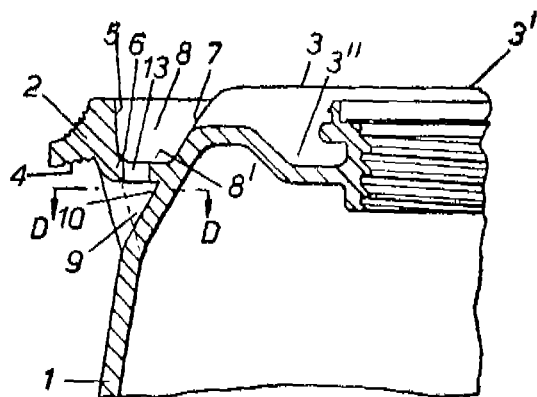
Inventor: DIETMAR PRZYTYLLA.

Application No. 497/MAS/87 filed on 14th July, 1987.

Appropriate Office for Opposition Proceedings (Rules 4, Patent Rules, 1972) Patent Office, Madras Branch.

5 Claims

A bung barrel of thermoplastic synthetic material having at least one lifting and transporting ring arranged on the barrel body and spaced from an adjacent end face of the barrel, the said ring having substantially radially and axially-extending contact surfaces for gripper arms of a barrel gripper, and is connected to the barrel by a connecting web adjoining the substantially radially extending contact surface and running into the barrel body, wherein the barrel has a frusto-conical end portion tapering inwardly towards the barrel end and spaced inwardly from the substantially axially-extending contact surface so as to form an annular channel with a flange-shaped base to facilitate accommodation of a gripper arm of a barrel gripper.



(Com. Spec.—10 pages.)

Drgs.—2 sheets)

Ind. Class-32-F₀₁(g) [GROUP-IX(1)]

169702

Int. Cl. C 07 C 45/49

AN IMPROVED NON-AQUEOUS HYDROFORMYLATION PROCESS FOR PRODUCING ALDEHYDES.

Applicant : UNION CARBIDE CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, U.S.A., OF OLD RIDGE-BURY ROAD, DANBURY, STATE OF CONNECTICUT 06817, UNITED STATES OF AMERICA.

Inventors : (1) ANTHONY GEORGE ABATTOGLOU.
(2) DAVID ROBERT BRYANT.

Application No. 490/MAS/87 filed July 10, 1987.

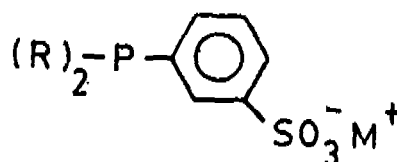
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

10 Claims

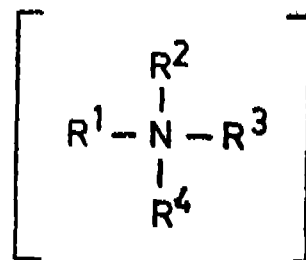
In a non-aqueous hydroformylation process for producing aldehydes by reacting olefinically unsaturated organic compounds containing 2 to 20 carbon atoms with carbon monoxide and hydrogen in a non-aqueous hydroformylation reaction medium at a temperature 0-45°C to 200°C and at a pressure of less than 1500 psia., the molar ratio of gaseous hydrogen to carbon dioxide being in the range of 1:10 to 100:1, the improvement comprises in carrying out the reaction in the presence of a catalyst consisting Group VIII transition metal-phosphorus ligand complex catalyst and at least 4 moles of free phosphorus ligand per mole of Group VIII transition metal wherein the phosphorus ligand of said complex catalyst and the said free phosphorus ligand consists of a low volatile soluble organic monosulfonated tertiary phosphine salt of the general formula I

of the accompanying drawings wherein each R group individually represents a radical containing from 1 to 30 carbon atoms selected from the class consisting of alkyl, aryl, alkaryl, aralkyl and cycloalkyl radicals and M represents an amine cation having the general formula: II

of the accompanying drawings wherein R₁ represents hydrogen or a radical containing from 1 to 30 carbon atoms selected from the class consisting of alkyl, alkaryl, aralkyl and cycloalkyl radicals, and each R₂, R₃ and R₄ group individually represents a radical selected from the class consisting of alkyl, aryl, alkaryl, aralkyl and cyclohexyl radicals and wherein any two or three of said R₁, R₂, R₃ and R₄ groups can be bonded together to form a mono-, bi-, or poly-cyclic ring along with the nitrogen atom of said aminocation; with the proviso that in any given mono-sulfonated tertiary phosphine salt employed at least one of said R₁, R₂, R₃ and R₄ groups of the amine cation, M represents an alkyl or aralkyl radical containing from 8 to 30 carbon atoms.



Formula I



Formula II

(Com.—61 pages;

Drgs.—4 sheets)

Ind. Cl. : 6A₂ [GROUP XLVII(1)]

169703

Int. Cl. : F 04 B 11/00

25/00

39/00

A MULTISTAGE COMPRESSOR.

Applicant & Inventor : ANTON BRAUN OF 6421 WARREN AVENUE, SOUTH MINNEAPOLIS.

MN 55435, UNITED STATES OF AMERICA, OF WEST GERMAN NATIONALITY.

Application No. 481/MAS/87 filed on 3rd July, 1987.

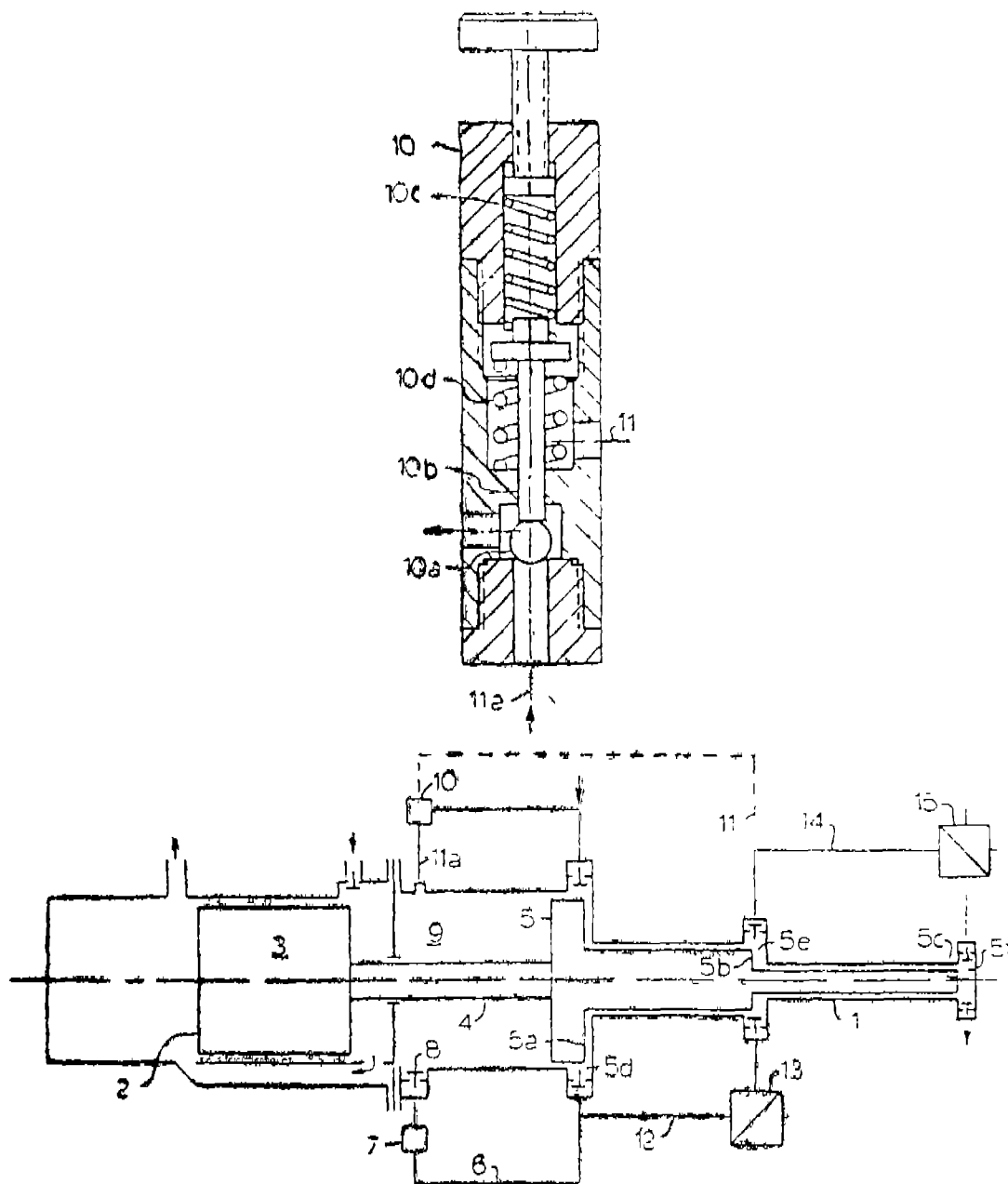
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

5 Claims

A multistage compressor comprising a plurality of co-axial compressor pistons in a plurality of compressor cylinders providing at least first and second stage gas pressure chambers, characterised in that at least one of said pressure chambers is connected to a negative bounce chamber pro-

vided in at least one of said compressor cylinders through a pressure sensitive control valve for providing a limited

constant gas flow from the said pressure chamber to the said bounce chamber.



(Complete Specn. 12 pages;

Drgs. one sheet)

Ind. Cl. : 36-A & 163D

[GROUPS-XLIV(1) & XLIV(3)]

169704

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

Int. Cl. F 04 F 5/18

10 Claims

A DEVICE FOR COMPRESSING A FLUID.

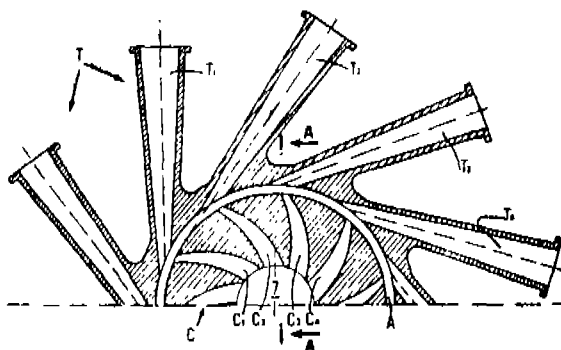
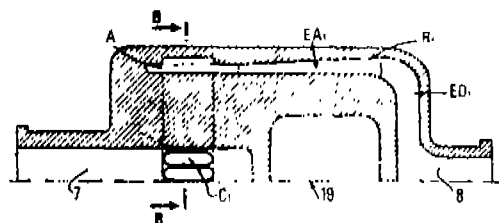
Applicant : INSTITUT FRANCAIS DU PETROLE, A FRENCH BODY CORPORATE OF 4, AVENUE DE BOIS PREAU, 92502 RUEIL-MALMAISON, FRANCE.

Inventor : ALEXANDRE ROJEY.

Application No. 477/MAS/87 filed July 2, 1987.

A device for compressing a fluid by the release of a working fluid comprising a first pocket (I), wherein the working fluid circulates, a second pocket (II), wherein the fluid to compress circulates, a third pocket (III) in which the working fluid and fluid to compress mixture circulates, and a mixing pocket (A) connected to said third pocket as well as to said first and second pockets, wherein said mixing pocket (A) has a ring-like shape and in that said first and second pockets (I and II) are connected to said mixing pocket (A) by passages for introducing said working fluid and said fluid

to compress in said mixing pocket (A) in a more or less tangential manner.



(Com. 26 pages;

Drwgs. 4 sheets)

Ind. Cl. : 12 B [GROUP-XXXIII(2)]

169705

Int. Cl.⁴ : C 23 C 18/52 & 8/54

A METHOD OF AND AN APPARATUS FOR PRODUCING A COATED SUBSTRATE.

Applicant : KABUSHIKI KAISHA TOYOTA CHUO KENKYUSHO, ORGANIZED AND EXISTING UNDER THE LAWS OF JAPAN, OF 41-1, AZA YOKOMICHI, OAZA NAGAKUTE, NAGAKUTE-CHO, AICHI-GUN, AICHI-KEN, 480-11, JAPAN.

Inventors : TOHRU ARAI, JUNJI ENDO AND HIROMASA TAKEDA.

Application No. 476/MAS/87 filed on 2nd July, 1987.

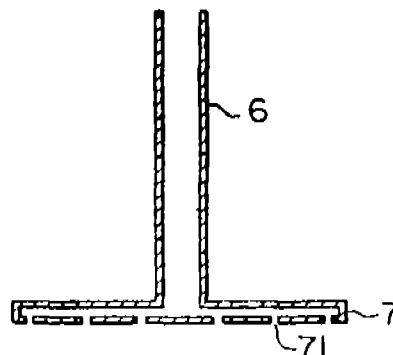
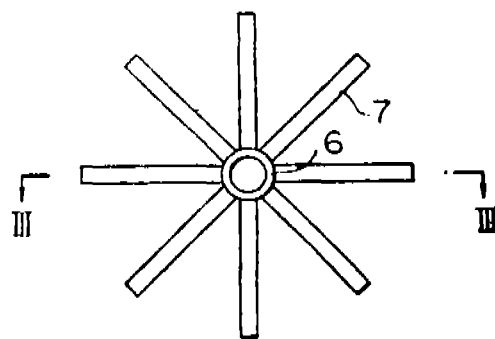
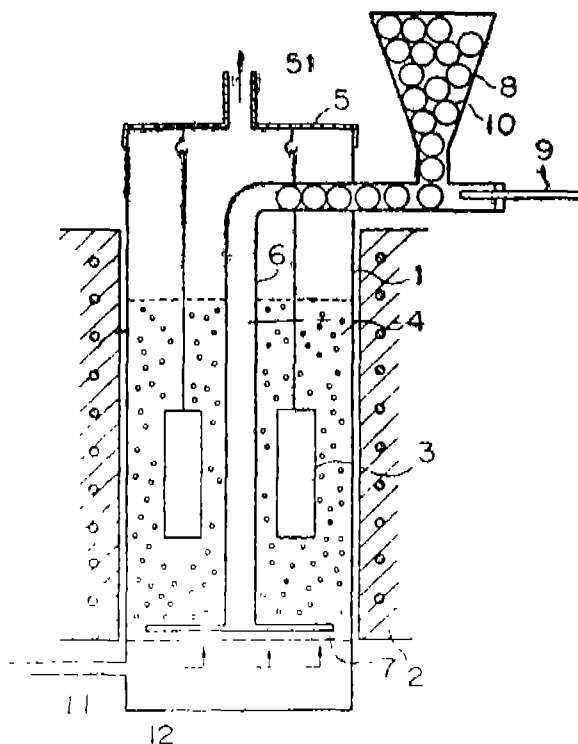
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

3 Claims

A method of producing a coated substrate such as herein described comprising the steps of (a) disposing in fluidised bed furnace a treating agent consisting of a fluidizing agent, and a layer-forming agent of 1 to 50% by weight based on said treating agent, said fluidizing agent being selected from alumina, silicon oxide, titanium oxide, zirconia, and said layer-forming agent being selected from titanium vanadium, niobium, tantalum, chromium, manganese, iron and alloys thereof, in the powder form: b) introducing a gas into said fluidised bed furnace to fluidize said treating agent and form a fluidized layer, the said gas being selected from nitrogen, a nitrogen-containing gas and a mixture of nitrogen or nitrogen-containing gas and argon. c) introducing said substrate in said fluidized layer, followed by addition of an activator intermittently into said fluidized layer, said activator consisting of at least one halide selected from the group consisting of ammonium halides, metal halides, and alkali metal or alkaline earth metal halides in an amount not more than 20% by weight based on said treating agent and d) heating the said substrate to a temperature in the range of 400°C to 1200°C to produce the coated substrate.

An apparatus for producing coated substrate by a method as claimed in claim 1 comprising a furnace body with a gas

supply channel, a gas discharge channel, and a gas diffusion plate, a heater for heating a treating agent, an activator supply pipe; an activator jetting pipe connected to the said activator supply pipe having a plurality of apertures and means for introducing an activator to the activator supplying pipe, wherein the ratio of total cross sectional area of said activator jetting pipe and the supply pipe on a plane vertical to a flow of the gas is smaller than a vertical cross sectional area of the fluidized layer of the treating agent.



(Comp. Spec. 27 pages;

Drw. 3 sheets)

Ind. Cl. : 188 [GROUP-XXXIII(9)]

169706

Int. Cl.⁴ : C 23 C 1024

AN IMPROVED METHOD FOR MAKING A CARBIDE OR DIFFUSION LAYER COATED ARTICLE.

Applicant : KABUSHIKI KAISHA TOYOTA CHUO KENYUSHO ORGANIZED AND EXISTING UNDER THE LAWS OF JAPAN OF 41-1, AZA YOKOMICHI, OAZA NAGAKUTE NAGAKUTE-CHO, AICHI-GUM, AICHI-KEN, 480-11, JAPAN.

Inventors : TOHRU ARAI, HATSUHIHO OIHAWA.

Application No. 475/MAS/87 filed on 2nd July, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

6 Claims

An improved method for making a carbide/diffusion layer coated article comprising the steps of :

immersing the article for a period of 1 to 20 hours in a molten salt bath maintained at a temperature of from 700 to 1250°C, said molten bath comprising borax, at least one oxide of a surface layer forming element (SFE) selected from the group consisting of an oxide of a Va-Group element of the Periodic Table and an oxide of chromium, and aluminum as reducing agent, characterized in that

the said SFE-oxide is selected from the group consisting of not more than 12 wt% of vanadium oxide, not more than 17 wt% of niobium oxide, not more than 16 wt% of tantalum oxide and not more than 21.5 wt% of chromium oxide, the total amount of said SFE-oxide being in the range of 9.5 to 21.5 wt% based on the total amount of the salt bath and

the amount of said aluminum being in the range of 4 to 7.5 wt% based on the total amount of the salt bath.

(Comp. spec. 26 pages;

Drg. 6 sheets)

Ind. Cl. : [GROUP XXXII (3)]

169707

Int. Cl.⁴ : B 01 D 53/00

PROCESS FOR PRODUCING A GAS MIXTURE FREE OF H₂S AND CO₂ FROM A SOUR GAS MIXTURE CONTAINING H₂S AND CO₂.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., A NETHERLANDS COMPANY OF CARFL VAN BYLANDTLAAN 30, 2596 HR, THE HAGUE, THE NETHERLANDS.

Inventor : MARTIN MAERSK SUENSON.

Application No. 473/MAS/87 filed on 1st July, 1987.

Convention dated 7-7-1986 No. 8616508 (Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

4 Claims

Process for producing a gas mixture free of H₂S and CO₂ from a sour gas mixture containing H₂S and CO₂ comprising the steps of

(a) contacting the gas mixture in a first contacting zone with an aqueous solution of a coordination complex of Fe (III) with an organic acid to produce a partly purified gas mixture and an aqueous solution comprising sulphur and coordination complex of Fe(II), passing the partly purified gas mixture to a second contacting zone

(b) contacting the partly purified gas mixture in the second contacting zone with a liquid and regenerable absorbent in the form of an aqueous solution of a tertiary amine such as diethanolamine to produce purified gas mixture and loaded absorbent; and

(c) regenerating loaded absorbent in a known manner for use in step (b).

(Com. Spec. 8 pages;

Drgs. one sheet)

Ind. Cl. : 172 C₁ [GROUP XX]

169708

Int. Cl.⁴ : D 01 G 15/78

DEVICE FOR CLEANING THE FLATS OF A REVOLVING FLATS CARD

Applicant : MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF WINFURTHUR, SWITZERLAND

Inventors : (1) GIUSEPPE VERZILLI.

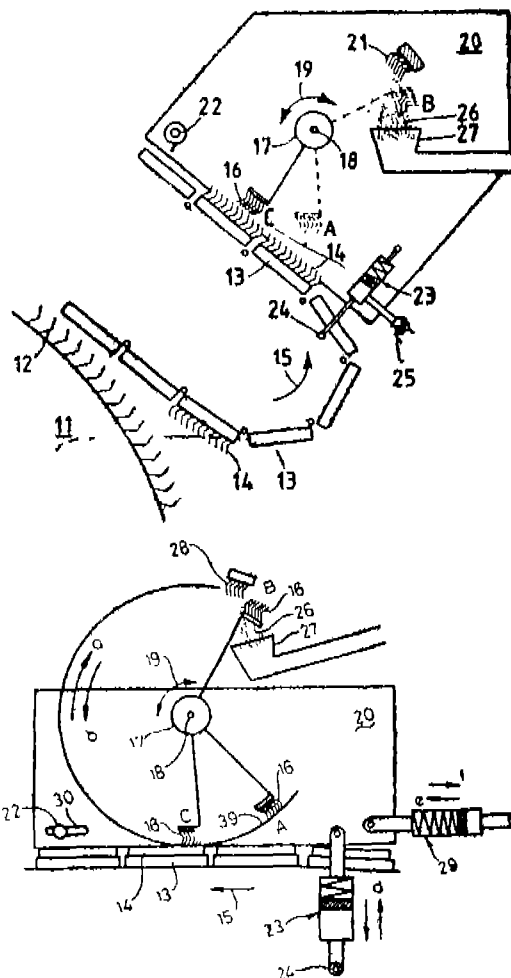
(2) ERICH HOHLOCH.

Application No. 470/MAS/87 filed on 30th June, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

7 Claims

Device for cleaning the set of flats of a revolving flats card with a carrier located on the side of the set of flats provided with clothing, with a shaft rotatably supported on the carrier, and with a brush fixedly secured to this shaft, passing over the clothing of the flats at a flats cleaning position located outside the carding zone of the card, and extending over the width of the set of flats, which brush is pivotable with the shaft about the axis thereof, the pivotal movements consisting of alternate cleaning and return movements, characterized in that the carrier (20) comprises two plates arranged at right angles to the axis (18) of the shaft (17) and supported by the card framework the plates being pivotable about a carrier rod (22) parallel to the axis (18) to vary the spacing of the path of movement of the brush (16) from the set of flats, a comb (21, 28) is located in the path of movement of the brush (16) for the purpose of cleaning the brush (16) during cleaning movement (a) and return movement (b) means for moving the carrier (20) with respect to the cleaning position (c) and control means for controlling the brush (16).



(Com. Spec. 18 pages;

Drgs. 3 sheets)

Ind. Cl.: 131 B₈ [GROUP XXVII (3)]

169709

Int. Cl.: E 21 D 15/00

A ROOF ENGAGING STRUCTURE FOR A MINE ROOF SUPPORT.

Applicant : GULLICK DOBSON LIMITED, A BRITISH COMPANY, OF P.O. BOX 12, INCE, WIGAN, LANCASHIRE, ENGLAND.

Inventor : KENNETH DAVID PRESCOTT.

Application No. 466/MAS/87 filed on 26th June, 1987.

Convention dated 26-6-1986 No. 8615666 (United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

6 Claims

A roof engaging structure for a mine roof support comprising a canopy having at least two relatively movable roof engaging members which are coupled together by at least two spaced-apart pivotal joints.

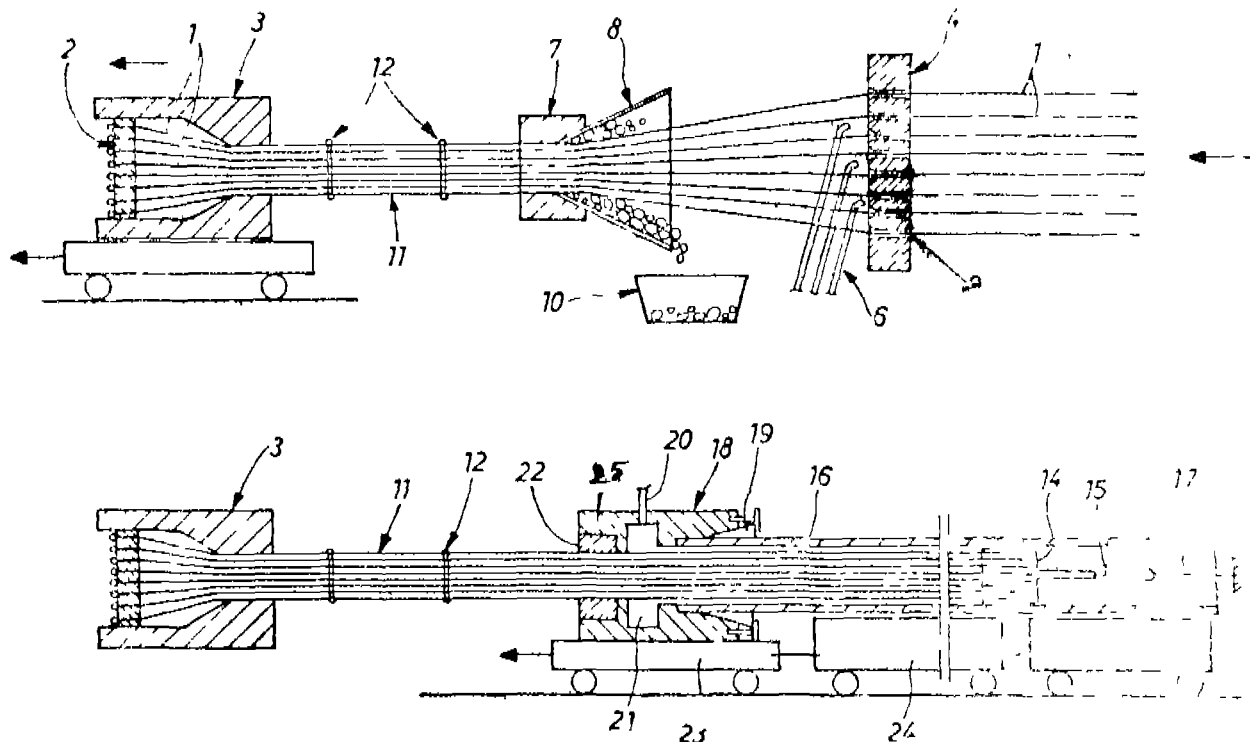
Com. Spec. 7 pages;

Drvs. 3 sheets)

Ind. Cl.: 116-G [GROUP XLIX]

169710

Int. Cl.: H 01 B 13/22

A METHOD AND APPARATUS FOR MANUFACTURING A CORROSION PROTECTED SUPPORTING OR STRESSING CABLE.

(Com. 15 pages;

Drvs. 2 sheets)

Ind. Cl.: 33 A & F, 9 E & F.

169711

Int. Cl. B22d 11/00, B22c 9/00,

C22c 9/00, 9/05, 9/06, 9/10.

IMPROVEMENTS RELATING TO INGOT MOULDS IN PARTICULAR CONTINUOUS CASTING INGOT MOULDS AND THE LIKE

Applicant : KM-KABELMETAL AKTIENGESELLSCHAFT, KLOSTERSTRASSE 29, D-44500 OSNABRÜCK, WEST GERMANY.

Inventor : HORST GRAVEMANN.

Application No. 664/Cal/1988 filed August 5, 1988.

2—367 GI/91

Applicant : BUREAU BBR LTD, OF RIESBACHSTRASSE 57, 8034 ZÜRICH, SWITZERLAND, A SWISS COMPANY.

Inventors : (1) NIKLAUS WINKLER
(2) RENE KASER.

Application No. 506/MAS/87 filed July 16, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

7 Claims

A method of manufacturing a corrosion protected supporting or stressing cable, comprising the steps of prefabricating a cable of a predetermined outer diameter from a plurality of individual wires anchored in an anchoring body with a defined configuration, fixedly mounting one end of the said prefabricated cable on holding member provided with a protective jacket having an inner diameter larger than the outer diameter of the said cable, introducing the other end of said cable through a cable entrance of an applicator device to surround the outer diameter of the said cable and the inner diameter of the said protective jacket leaving an annular space in between, sealing the cable entrance, continuously feeding a known non-gaseous corrosion protective material under pressure through the cable outlet opening of said application device into said annular space while moving the application device for obtaining a corrosion protected supporting or stressing cable.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

8 Claims

Process for the manufacture of continuous casting ingot moulds of copper alloy, characterised in that a blank (unfinished piece) made of a copper alloy having 0.01 to 0.15% of Boron, 0.01 to 0.2% of Magnesium and the rest being copper including impurities depending on the process of manufacture and the usual alloying elements, such as herein described, necessary for the purpose of processing is subject to forming steps to make the mould in desired geometry and dimension, wherein the cross section of the mould, to be made, is reduced by at least 10% after a hot-reshaping

process then it is annealed for at least 15 minutes in the temperature-range of 300°C to 550°C, and thereafter, it is finally subjected to 10% to 50% of cold shaping.

(Compl. Specn. 16 pages;
(Prov. Specn. 12 pages)

Drgs. Nil)

Cl. 129G

169712

Int. Cl. B21h 1/20

DEVICE FOR LONGITUDINAL ROLLING OF PROFILES.

Applicant : NAUCHNO-PROIZVODSTVENNOE OBI-
EDINENIE "ANITIM" USSR, BARNAUL, ULITSA SE-
VERO-ZAPADNAYA.

Inventors : (1) VLADIMIR SERGEEVICH STREL-
CHENKO.

(2) VALERY ILICH GOMLYAKOV.

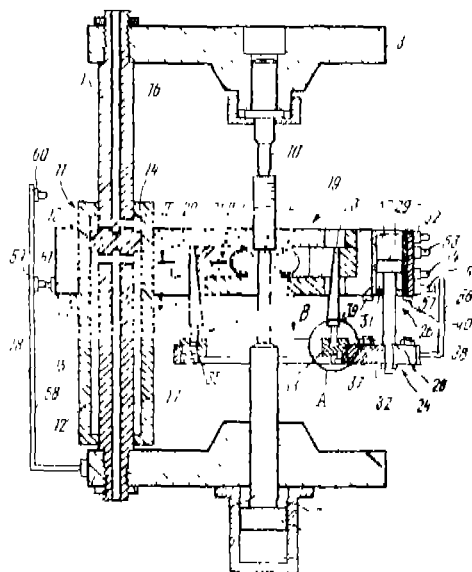
(3) ALEXANDR SEMENOVICH TOR-
KHOV.

Application No. 773/Cal/1988 filed September 15, 1988.

Appropriate Office for Opposition Proceedings (Rule 4,
Patent Rules, 1972), Patent Office, Calcutta.

7 Claims

A device for longitudinal rolling of profiles, comprising two stationary cross members interconnected by at least two guides, one of which cross members mounting a hydraulic cylinder whose axis is parallel to the axes of the guides, a live centre being mounted on an outside end of a piston rod in coaxial alignment therewith, while the other cross member mounts a fixed centre in coaxial alignment with the live centre, and a hydraulic drive mounted on the guides for reciprocating therealong and carrying a movable cross member in which a rolling head is secured, comprising a body having slots accommodating slides with forming rolls actuated by gibs to move radially with respect to the axis of the centres, and a pressure element connected to the gibs by adjusting screws and comprising a movable plate with a rotatable ring mounted therein whose axis coincides with the axis of the centres and in which locating slots are provided on the side of the end face opposite to the forming rolls, the slots being adapted to receive the heads of the adjusting screws, as well as blind holes, each corresponding to one of the locating slots and being in fact an extension to the locating slot brought to the same end face, while the axes of symmetry of each locating slot of the respective blind hole are parallel to each other and to the axis of the centres and are spaced equidistantly from the axis of the centres, while the pressure element is actuated by a means comprising at least two double-action hydraulic cylinders mounted in the movable cross member and having piston rods rigidly connected to the pressure element.



(Compl. Specn. 25 pages;

Drgs. 3 sheets)

Cl. 136-F

169713

Int. Cl. B28b 7/00

A MOLD CHAMPING DEVICE.

Applicant : NISSEI JUSHI KOGYO KABUSHIKI KAI-
SHA, 2110, OOAZA MINAMIJO, SAKAKI-MACHI, HANI-
SHINA-GUN NAGANO-KEN, JAPAN.

Inventor : YOSHIHARU SHIMA.

Application No. 7744/Cal/1988 filed September 15, 1988.

Appropriate Office for Opposition Proceedings (Rule 4,
Patent Rules, 1972), Patent Office, Calcutta.

8 Claims

A mold clamping device having a clamping cylinder slidably fitted with a clamping ram whose front end is fixed on a movable board, and a high speed piston which is slidably fitted in said clamping ram from backward, the mold clamping device which is characterized for provisions of

a rear oil chamber for oil pressure being formed by the piston section of said clamping ram in said clamping cylinder;

a first oil path for supplying oil to the rear oil chamber of said clamping cylinder;

a connecting path being passed through the piston section of said clamping ram to connected the front chamber and the rear oil chamber of said clamping cylinder;

a first open-close valve being slidably fitted on the rear end section of said clamping ram for opening said connecting path during mold closure and mold opening, and for closing said connecting path during mold clamping;

a chamber for mold opening and a chamber for mold closure being provided in said clamping ram;

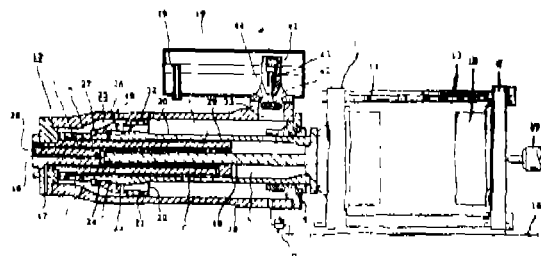
a second oil path for supplying oil to the oil chamber for mold opening and the oil chamber for mold closure;

an oil chamber for valve opening being formed at slidably fitted section of said first open-close valve and said clamping ram;

a through-hole bored in said clamping ram to connect said oil chamber for valve opening and the oil chamber for mold opening of said clamping ram each other;

a charge tank, being connected to the front oil chamber of said clamping cylinder, being parallelly provided to said clamping cylinder, and having capacity larger than the capacity difference between the front oil chamber and the rear oil chamber of said clamping cylinder; and

a second open-close valve for connecting and disconnecting the front oil chamber of said clamping cylinder and said charge tank.



(Compl. Specn. 19 pages.

Drgs. 3 sheets)

Cl. 139-A

169714

Int. Cl. B01j 19/00

NON-CYLINDRICAL REACTOR FOR CARBON BLACK PRODUCTION.

Applicant : COLUMBIAN CHEMICALS COMPANY,
1600 PARKWOOD CIRCLE, SUITE 400, ATLANTA,
GEORGIA 30339, UNITED STATES OF AMERICA.

Inventors : (1) ALAN CHARLES BERG.

(2) WILLIAM ROSS JONES, IV.

Application No. 803/Cal/1988 filed on September 26, 1988.

Appropriate Office for Opposition Proceedings (Rule 4,
Patent Rules, 1972), Patent Office, Calcutta.

9 Claims

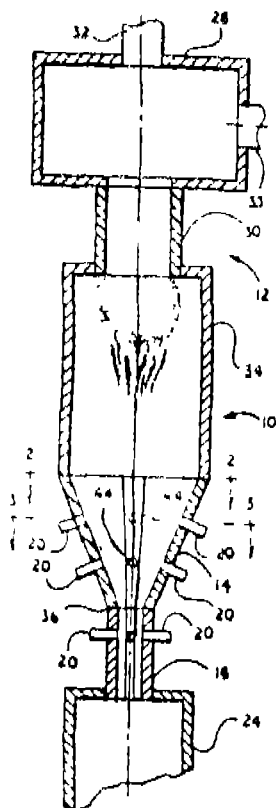
Apparatus for the production of carbon black, comprising :

means for producing a flow of hot gas;

a reaction chamber having an inlet opening receiving the flow of hot gas and having an outlet opening so that the hot gas can flow through the reaction chamber;

means for introducing a plurality of hydrocarbon sprays into the reaction chamber between the inlet opening and the outlet opening of the reaction chamber to form a non-circular spray pattern at a cross-section of the reaction chamber; and

means in the reaction chamber producing a cross-section of said flow of hot gas which conforms substantially to the cross-section of the spray pattern, so as to maximize coverage of the cross sectional area of the hot gas flow by the hydrocarbon spray.



(Compl. Specn. 15 pages;

Digs. 1 sheet)

Cl. 128A+55E

169715

Int. Cl. A61f 13/00, D01f 11/10

A METHOD OF MAKING MESOPOROUS ACTIVATED CARBON LAYER ON CELLULOSIC FIBROUS MATERIAL FOR USE IN A WOUND DRESSING.

Applicant : JOHNSON & JOHNSON, ONE JOHNSON
& JOHNSON PLAZA, NEW BRUNSWICK, NEW JERSEY
08933, UNITED STATES OF AMERICA.

Inventors : (1) JOANNE EVELYN WRIGHT.

(2) JOHN JAMES FREEMAN.

(3) KENNETH STAFFORD WILLIAM
SING.

(4) STUART WINDUST JACKSON.

(5) RORY JAMES MAXWELL SMITH.

Application No. 813/Cal/1988 filed on October 3, 1988.

Convention date 6th October, 1987. No. 8723447. (U.K.).

Appropriate Office for Opposition Proceedings (Rule 4,
Patent Rules, 1972), Patent Office, Calcutta.

29 Claims

A method of making mesoporous activated carbon layer or cellulosic fibrous for use in a wound material dressing wherein atleast 10% of the pore volume of the activated carbon is represented by mesopores the method comprising impregnating a cellulosic fibrous material with a liquid medium containing

(i) 1 to 10% W/V of phosphate ion source

(ii) 1 to 10% W/V of an alkali metal and optionally

(iii) an antimicrobial agent in amounts to occupy 5 to 100% of the activated sites of the finished material

(iv) 1 to 30% W/V of Lewis acid

thereafter carbonising and activating the impregnated fibrous material by heating in an inert atmosphere as herein described, further treating the so obtained material with an antimicrobial agent in quantities to occupy 5 to 100% of the activated sites of the finished material in instances where said antimicrobial agent is not included in the impregnated liquid medium hereinbefore defined.

(Compl. Specn.

Drgs.)

Cl. : 128-A

169716

Int. Cl. : A 61b 17/00

SURGICAL FASTENING SYSTEMS MADE FROM POLYMERIC MATERIALS.

Applicant : ETHICON, INC., OF U.S. ROUTE NO. 22,
SOMERVILLE, NJ 08876, NEW JERSEY, UNITED
STATES OF AMERICA.

Inventors : (1) JAMES J. BEDI.

(2) DONALD M. GOLDEN.

(3) MARK T. GATERUD.

(4) JOSE C. DENIEGA.

(5) RICHARD SMITH.

(6) W. BRINTON YORKS, JR.

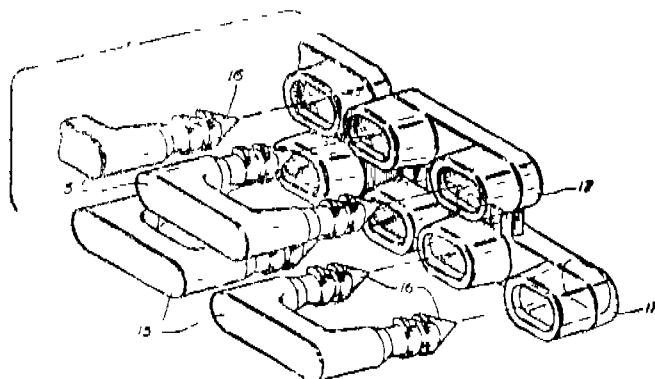
(7) ANTHONY S. MIKSSA.

Application No. 920/Cal/1988 filed on November 3, 1988.

Appropriate Office for Opposition Proceedings (Rule 4,
Patent Rules, 1972), Patent Office, Calcutta.

21 Claims

A surgical fastening system for joining tissue comprising a plurality of parallel rows of staples and a plurality of parallel rows of receivers, each of said staples comprising a pair of legs, said legs being joined at one end thereof by a linking member, the opposite end of each leg being adapted to penetrate tissue so the linking member lies adjacent the tissue penetrated by said legs, each receiver having a body portion and a plurality of openings disposed in said body portion, said openings being located so as to engage the legs of the staple after said legs have penetrated the tissue so that the receiver lies on the opposite side of the tissue to be joined, means on said legs and on said receivers for interlocking the staple and the receiver together; the improvement comprising each receiver being connected to at least two receivers in an adjacent row with each connection comprising a plurality of parallel linkages between receivers, said linkages being flexible and sufficiently strong to maintain the receivers connected during both the application of the fastening system when joining the tissue and the use of the fastening system to hold the tissue until such tissue has healed.



(Comp. Specn. 19 pages;

Digs. 9 pages)

Cl. : 101-F

169717

Int. Cl. : E21d 17/05

POWERED SUPPORT UNIT.

Applicant : KARAGANDINSKY POLITEKHNICHESKY INSTITUT OF KARAGANDA, BULVAR MIRA, 56, USSR.

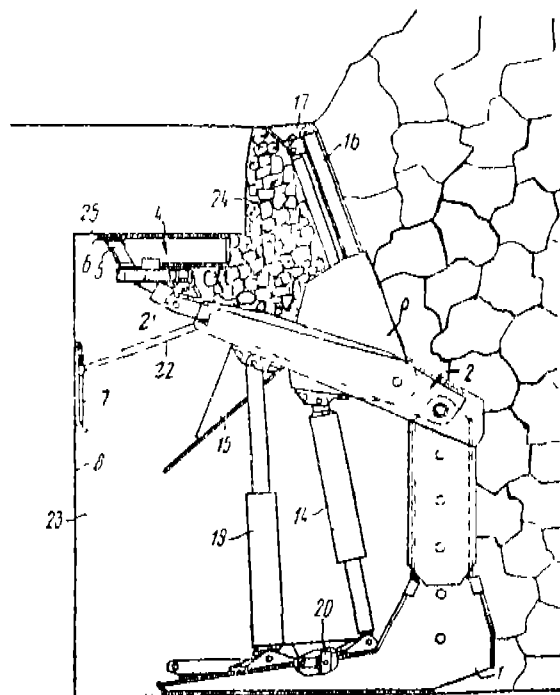
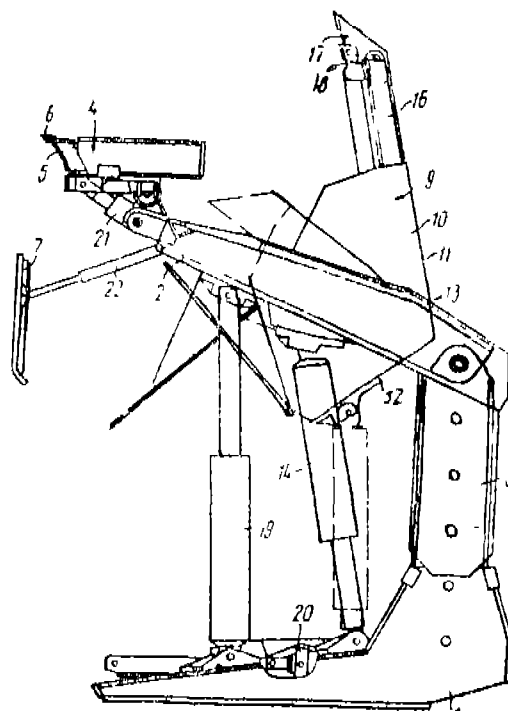
Inventor : SANTAI SULEIMENOVICH ZHETESOV.

Application No. 982/Cal/1988 filed on November 29, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

3 Claims

A powered support unit comprising a base, a canopy pivotably mounted on the base in the goaf zone and pivotably connected in the working-face zone with a roof bar provided with an anti-slip device, at least one hydraulic prop mounted between said base and pivotably attached to them, a coal-discharge device accommodated in an opening in said canopy in the working face zone, mounted on said canopy for rotation in a vertical plane and operatively connected with hydraulic cylinders pivotably mounted on said base, said coal-discharge device including a scraper bucket having its open side facing the working-face, the inner surface of the wall thereof facing the goaf carrying a protective member mounted for longitudinal movement towards the working face, the protective member being intended for curbing the access of caved-in rock to the working-face zone and having a width substantially equalling the width of the wall of the bucket, the protective member being provided with a breaking head at the working-face side.



(Compl. Specn. 14 pages;

Drgs. 3 sheets.)

Cl. : 35-E

169718

Int. Cl. : C 04 b 35/00

METHOD OF PRODUCING A SELF-SUPPORTING CERAMIC BODY.

Applicant : LANXIDE TECHNOLOGY COMPANY, LP TRALEE INDUSTRIAL PARK, NEWARK, DELAWARE 19711, U.S.A.

Inventors : (1) TERRY DENNIS CLAAR.

(2) GERHARD HANS SCHIROKY.

Application No. 1009/Cal/1988 filed on December 6, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

Cl. : 128-B

169720

6 Claims

A method of producing a self-supporting ceramic composite body, such as herein described, comprising producing a first composite body by :

selecting a parent metal, such as herein described;

heating said parent metal in a substantially inert atmosphere to a temperature above its melting point to form a body of molten metal and contacting said body of molten parent metal with a mass comprising boron carbide;

maintaining said temperature for a time sufficient to permit infiltration of said molten parent metal into said mass and to permit reaction of molten parent metal with said boron carbide to form at least one boron-containing compound, such as herein described;

containing said infiltration reaction for a time sufficient to produce said self-supporting body comprising at least one parent metal boron-containing compound, such as herein described; and

subjecting said self-supporting body to a carburizing environment, thereby converting residual parent metal in the self-supporting body into a parent metal-carbide component, such as herein described.

(Compl. Specn. 16 pages;

Drgs. 1 sheet.)

Cl. : 150-F

169719

Int. Cl. : F16I 21/04

PIPE JOINTS.

Applicant : STANTON PLC, STANTON, NOTTINGHAM NG10 5AA, GREAT BRITAIN.

Inventor : CYRIL BARRIE GREATOREX.

Application No. 1027/Cal/88 dated December 14, 1988.

Convention date 6th January, 1988, No. 8800245, (U.K.).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

10 Claims

A pipe joint comprising a sleeve (2) surrounding a socket chamber (3) for receiving a spigot (5), a sealing ring (7) for positioning between the sleeve (2) and the spigot (5), a gland (9) around the spigot (5) for applying a load to the sealing ring (7) by axially moving the gland (9) against a trailing heel portion (12) of the sealing ring (7). CHARACTERISED IN THAT when the gland (9) applies a load to the sealing ring (7) by axially moving the gland (9) against a trailing heel portion (12) of the sealing ring (7), a leading nose portion of the sealing ring (7) is deflected radially inwards by the internal profile of the sleeve (2) against the external surface of the spigot (5) to form a seal between the sleeve (2) and the spigot (5), whilst the heel portion (12) of the sealing ring (7) maintains substantially the same radial position in the socket chamber (3) as a result of radial forces in the sealing ring (7) resisting any tendency to reduce the diameter of the sealing ring (7).



(Compl. Specn. 8 pages;

Drgs. 2 sheets)

DISTRACTION APPARATUS FOR PLASTIC RECONSTRUCTION OF HAND.

Applicant : KURGANSKY NAUCHNO-ISSLEDOVATELSKY INSTITUT EXPERIMENTALNOI I KLINICHESKOI ORTOPEDI I TRAVMATOLOGII, KURGAN, ULITSA M. ULYANOV, 6, USSR.

Inventor : GAVRIL ABRAMOVICH ILIZAROV.

Application No. 1046/Cal/1988 filed on 20 December, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

4 Claims

A distraction apparatus for plastic reconstruction of hand, comprising two distraction threaded rods, on which at least two supports are fitted with their ends with a possibility of relative motion, viz., a proximal support made as a cramp-shaped plate carrying two parallel fixing pins, each being secured at the plate ends and arranged in a plane square with the plane of the cramp shaped plate, and a distal support made as a perforated bar whose perforations are spread along its longitudinal axis parallel to the planes of the cramp-shaped plate, additional distraction threaded rods being fitted in said perforations with a possibility of relative motion, said additional distraction threaded rods being directed towards the proximal support, the proximal ends of the rods carrying the distraction pins which are secured at said proximal rod ends with their distal ends.

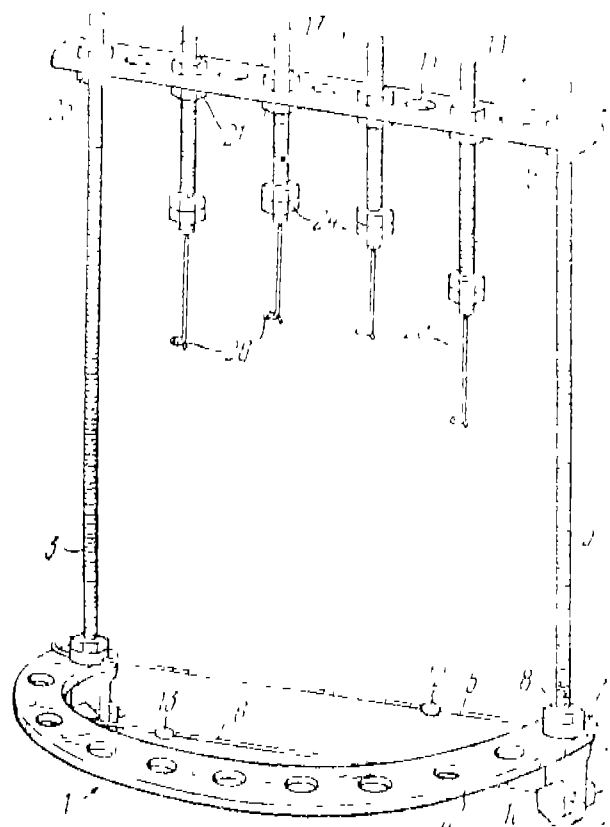
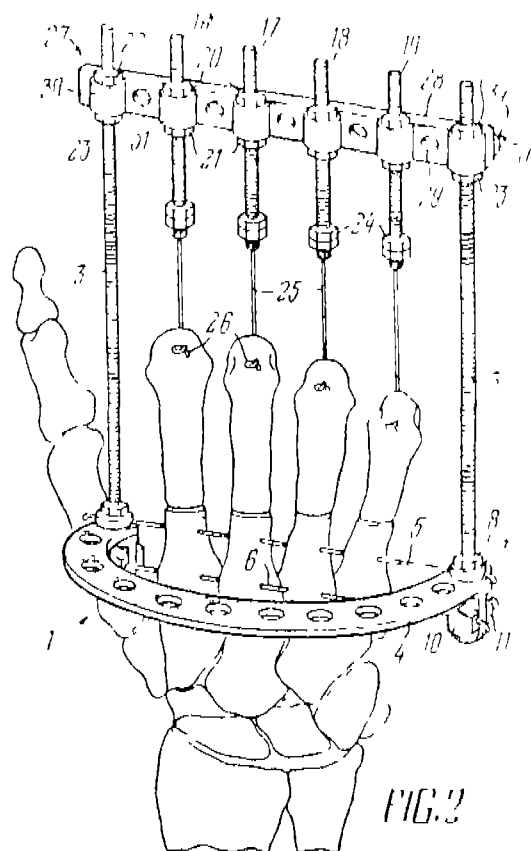


FIG. 1



(Comp. Specn. 16 pages;

Drgs. 4 sheets.)

Ind, Cl. : 32 E [GROUP IX (1)]

169721

Int. Cl.⁴ : C 08 F 220/56

A METHOD OF PREPARING AN IMPROVED WATER RETENTIVE GRANULES OF KNOWN CROSS LINKED ACRYLAMIDE COPOLYMER.

Applicant : COLIN JAMES ANDERTON, AN AUSTRALIAN CITIZEN OF 35 DREYER WAY, BULL CREEK AND HONEYOAK INTERNATIONAL PTY. LTD., A COMPANY INCORPORATED IN THE STATE OF WESTERN AUSTRALIA OF SUITE 4, 11 RICHARDSON STREET, SOUTH PERTH, BOTH IN THE STATE OF WESTERN AUSTRALIA, COMMONWEALTH OF AUSTRALIA.

Inventor : COLIN JAMES ANDERTON.

Application No. 465/MAS/87 filed on 26th June, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

2 Claims

A method of preparing an improved water retentive granules of known cross-linked acrylamide copolymer, comprising the steps of mixing granules of the said copolymer of the size not exceeding 75 microns with a finely powered diatomaceous earth of particle size less than the granule size of the said copolymer at a ratio of 1:0.8 by weight till each individual granules is coated with layer of diatomaceous earth.

(Com. Spec. 6 pages;

Drgs. Nil.)

Ind. Cl. : 32 E [GROUP IX (1)]

169722

Int. Cl.⁴ : C 08 F 10/00 & 4/00

AN IMPROVED PROCESS FOR POLYMERIZING
ALPHA MONO-OLEFINS IN A CONTINUOUS GAS
PHASE FLUID BED,

Applicant : UNION CARBIDE CORPORATION, MANUFACTURERS, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, WITH OFFICES AT 39 OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT 06817, UNITED STATES OF AMERICA.

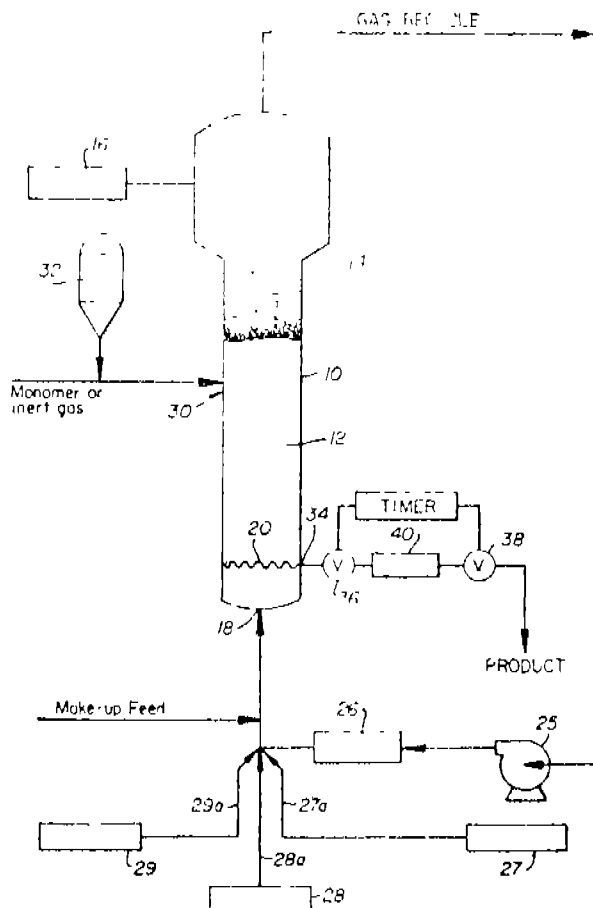
Inventors : (1) FAHI DAVID HUSSEIN.
(2) DAVID MASON GAINES.
(3) HANTAI LIU.
(4) DOUGLAS J. MILLER.

Application No. 451/MAS/87 filed on 22nd June, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

3 Claims

An improved continuous process for polymerizing alpha mono-olefins in a continuous gas phase fluid bed reactor with a catalyst system consisting of a known solid titanium containing procatalyst, a known organo-aluminum activator and a known selectivity control agent, wherein the improvement comprises in adding a dialkyl-aluminum halide of the formula R_2AlX in which R is an alkyl group having 1 to 8 carbon atoms and X is a halogen, in a molar ratio in the range of 5:1 to 25:1 with respect to the titanium in the said catalyst system to the reaction during polymerization and carrying out the polymerization at a temperature of 0.1°C to 5°C above the dew point of the cycled gas in the reactor.



(Com. Spec. 29 pages;

Drgs. 1 sheet.)

Ind. Cl. : 9 E & F [GROUP XXXIII 1)] 169723

Int. Cl. : C 22 C 9/08

APPARATUS FOR PRODUCING COPPER-RICH ALLOY FROM A MOLTEN LEAD RICH COPPER/LEAD ALLOY.

Applicant : IMPERIAL SMELTING PROCESSES LIMITED, OF 1 REDCLIFF STREET, BRISTOL, GREAT BRITAIN, A BRITISH COMPANY.

Inventors : (1) JAMES ANTHONY CHARLES.
(2) PHILIP JOHN GABB.
(3) WILLIAM HOPKIN.

Application No. 439/MAS/87 filed on 16th June, 1987.

Convention date 28-11-1986 No. 8628575 (Great Britain).

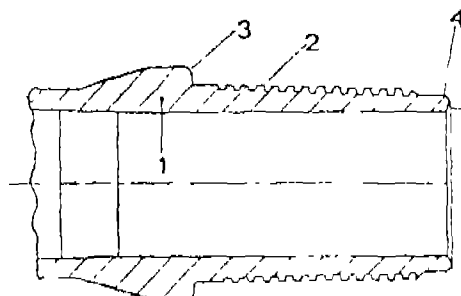
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

8 Claims

Apparatus for producing a copper-rich alloy from a molten lead rich copper/lead alloy, comprising an insulated container having an internally cooled partially insulated shell to receive the molten lead rich copper/lead alloy, the said shell provided with a passage for heat transfer fluid, means for feeding said molten lead rich copper/lead alloy to the shell and means for removing solidified copper rich alloy from said shell.

(Com. Spec. 16 pages;

Drgs. 2 sheets.)



(Com. 12 pages;

Ind. Cl. : 131 C [GROUP XXVIII (3)]

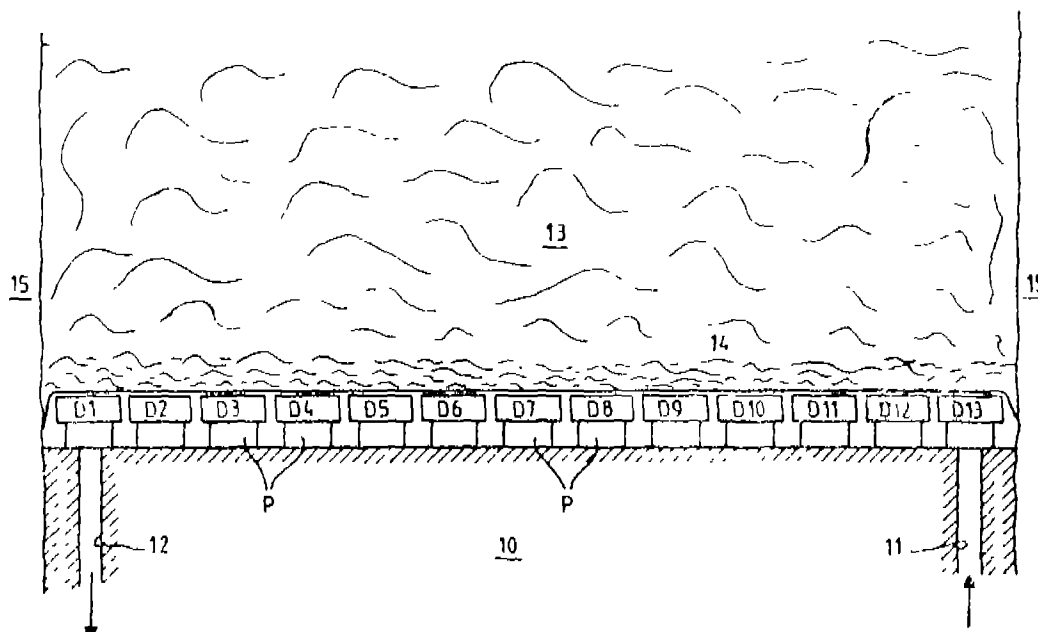
169725

Int. Cl. : E 21 C 9/00

A SUPPORTING INSTALLATION FOR MINING.

Applicant : CHARBONNAGES DE FRANCE, A FRENCH COMPANY, TOUR ALBERT LER, 65, AVENUE DE COLMAR, 92507 RUEIL-MALMAISON CEDEX, FRANCE.

Inventor : RENE ANDRE MARION.



Ind. Class : 150-G [GROUP XLVIII(1)]

169724

Int. Cl. : F 16 L 15/00

SLEEVELESS METAL PIPE JOINT.

Applicant : DAI NIPPON S.P.A., ITALIAN JOINT STOCK COMPANY, VIA BRERA, 19-MILANO, ITALY.

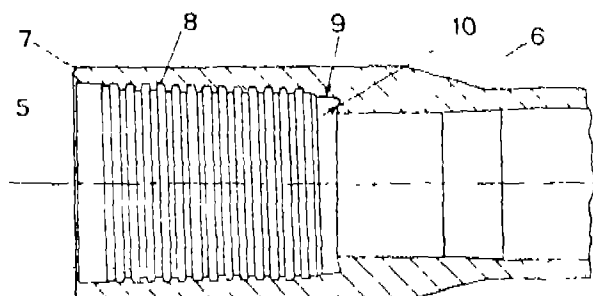
Inventors : (1) BOVISIO CIPRIANO.
(2) MORLOTTI NORBERTO.

Application No. 436/MAS/87 filed on June 12, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

2 Claims

Sleeveless metal pipe joint comprising a male element (1) and a female element (6) characterised in that the male element is provided with one external tapered thread (2) with a convex sealing surface beyond the threaded portion suitable to engage a corresponding tapered seal surface on the inner wall of a female element (6), said male element having an external primary shoulder (3) at 90° to the pipe axis providing a stop abutment against an inner end (7) of said female element (6) having an internal secondary shoulder (10) to provide proper seating to the end (5) of the said male element.



Drgs. 2 sheets.)

Application No. 428/MAS/87 filed on 9th June, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

12 Claims

A supporting installation for mining and underground quarrying by downward slicing under a roof characterized

in that it compromises a substantially horizontal roof protecting against material which caves, having a plurality of independent elementary roof slabs (dp) juxtaposed side by side and equipped with supporting means (P,M) and variable height mechanical means (17,55,80) for supporting and for lowering adapted to lower these roof slabs individually step by step, the said variable height mechanical means (17,55,80) for supporting and for lowering roof slabs being fixed on one or more movable frames and used successively for the various roof slabs.

(Com. Spec. 27 pages;

Drgs. 15 sheets.)

Ind. Cl. : 56 B [GROUP V]

169726

Int. Cl.⁴ : C 10 G 11/00

B 01 J 8/08

AN APPARATUS FOR CONTINUOUS CATALYTIC CRACKING OF HYDROCARBON FEED.

Applicant : SHFII. INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., OF CAREL VAN BYLANDILAAN 30 2596 HR, THE HAGUE, THE NETHERLANDS, A COMPANY ORGANIZED UNDER THE LAWS OF THE NETHERLANDS, A RESEARCH COMPANY.

Inventor : THOMAS SEAN DEWITZ.

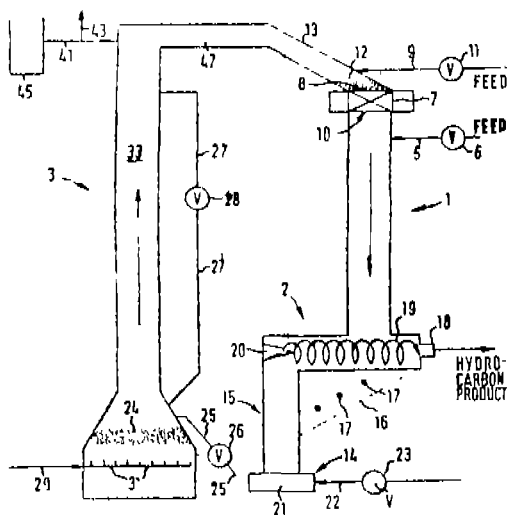
Application No. 426/MAS/87 filed on 9th June, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

4 Claims

An apparatus for continuous catalytic cracking of hydrocarbon feed comprising :

(a) a substantially vertically extending downflow reactor (1) having a feed inlet at the top, an inlet for feeding regenerated catalyst positioned adjacent to the feed inlet and an outlet at the bottom thereof, a pressure reduction means (7) connected to the top of the downflow reactor being connected to a pressure reduction means (b) a substantially vertically extending riser regenerator (3) having two separate inlets for the spent catalyst, regeneration gases respectively at the bottom, and an outlet for removing regenerated catalyst and residual regeneration gases, (c) a horizontal cyclone separator means (2) connected between the bottom portions of the catalytic downflow reactor (1) and riser regenerator (3), (d) a separator means (13) connecting the top portions of the riser regenerator (3) and the catalytic downflow reactor (1) for separating the regenerated catalyst from spent gases.



(Complete Specn. 31

Drgs. 2 sheets.)

Ind. Cl. 32F3 (a) [GROUP IX (1)]

169727

Int. Cl.⁴ : C 07 C 45/49; 47/00

AN IMPROVED LIQUID RECYCLE HYDROFORMYLATION PROCESS FOR PRODUCING ALDEHYDE.

Applicant : UNION CARBIDE CORPORATION, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE UNITED STATES OF AMERICA.

JAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, WITH OFFICES AT 39 OLD RIDGE-BURY ROAD, DANBURY, STATE OF CONNECTICUT 06817 UNITED STATES OF AMERICA.

Inventors : (1) JOHN MICHAEL MAHER.

(2) DAVID ROBERT BRYANT.

Application No. 373/MAS/87 filed on 20th May, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

5 Claims

An improved liquid recycle hydroformylation process for producing aldehyde by reacting olefinic unsaturated compound with carbon monoxide and hydrogen in the presence of rhodium phosphite complex catalyst and recovering the aldehyde from the reaction product containing solubilized rhodiumphosphite complex catalyst and aldehyde by distillation, the improvement comprising carrying out the distillation at a temperature from 50°C to 140°C in the presence of an organic polymer containing at least three polar functional amide radicals, the said organic polymer present during distillation being in the range of 0.1 to 5.0 weight percent based on the total weight of the said reaction product.

(Com. Spec. 50 pages;

Drgs. 7 sheets.)

Ind. Cl. : 69 E, F, G & O [GROUP LIX (1)]

169728

Int. Cl.⁴ : H 01 II 1/58

AN ELECTRIC TERMINAL FOR ELECTRICAL SWITCH.

Applicant : MK ELECTRIC LIMITED, OF SHRUBBERY ROAD, EDMONTON, LONDON N9 0PB, ENGLAND, A COMPANY REGISTERED UNDER THE LAWS OF GREAT BRITAIN.

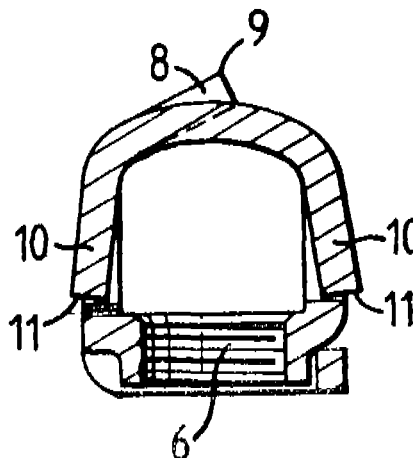
Inventor : NORMAN EDWARD BRUCE REYNOLDS.

Application No. 310/MAS/87 filed on 30th April, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

3 Claims

An electric terminal for electrical switch comprising a strip of metal folded upon itself to form a closed loop with the end parts of the loop overlapping each other, characterized in that, the strip being provided with a pair of portions, one on each side of the bend of the loop, said portions bent outwardly from the outer surface of the loop, the portions having co linear edges defining an axis about which the rocking member of a switch containing the terminal may pivot and a further outwardly bent portion forming abutment shoulders to fix the position of the terminal when the terminal is mounted in the switch.



Drgs. 2 sheets.)

Ind. Class : 143-D [GROUP XL(5)] 169729

Int. Cl. : H 05 K 5/03; 7/14

AN ENVIRONMENTALLY PROTECTED PRINTED CIRCUIT BOARD.

Applicant : CATERPILLAR INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 100 N.F. ADAMS STREET, PEORIA, ILLINOIS 61629-6490, U.S.A..

Inventors : (1) JAMES GEORGE COOK.

(2) GARY HOWARD KNAPP

Application No. 159/MAS/87 filed March 9, 1987.

Convention date : August 21, 1986, (No. 516,460, Canada)

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

6 Claims

An environmentally protected printed circuit board (12), said printed circuit board (12) having a plurality of openings (16, 18, 20, 22) of a preselected diameter extending therethrough, comprising :

a plurality of standoffs (24, 26, 28, 30) each having a first and second tubular member (32, 34), said first tubular member (32) having a first outer periphery (36) having an outer diameter (38) of a preselected magnitude and being of a generally rigid construction, said second tubular member (34) having an inner diameter at least as small as the first tubular member outer diameter (38) and a second outer periphery (40) having first and second outer diameters (42, 44) respectively less than and greater than said circuit board openings diameter (16, 18, 20, 22) said second tubular member (34) being disposed about the outer periphery (36) of said first tubular member (32), formed of rubber, and vulcanized to said first tubular member (32), said plurality of standoffs (24, 26, 28, 30) extending through said plurality of printed circuit board openings (16, 18, 20, 22) and supporting said circuit board (12) on said second outer periphery (40) intermediate said first and second outer diameters (42, 44); and

a potted member (14) disposed in enveloping relation to said printed circuit board (12) and adhering in sealing relation with said second tubular member (34).

(Com. 10 pages;

Drawgs. 1 sheet.)

Ind. Cl. : 171 [GROUP XXXVIII (4)] 169730

Int. Cl. : G 02 C 13/00; 7/04

A PROCESS FOR THE MANUFACTURE OF AN AQUEOUS SELF-PRESERVING SOFT CONTACT LENS CLEANING OR PRESERVING SOLUTION.

Applicant : CIBA-GEIGY AG, A SWISS CORPORATION OF KLYBECKSTRASSE 141, 4002 BASLE, SWITZERLAND.

Inventors : (1) FU-PAO TSAO.

(2) CHARLES ALLEN PENLEY.

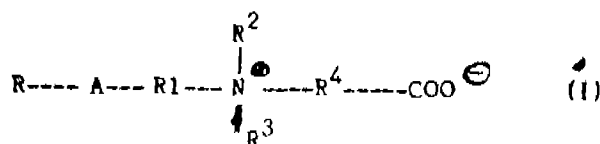
Application No. 32/MAS/87 filed on 20th January, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

8 Claims

A process for the manufacture of an aqueous self-preserving or preserving solution for soft contact lens comprising mixing

(a) 0.005 to 2 percent of a water soluble amphoteric surfactant of the formula I,



wherein R is alkyl, alkenyl or alkanediaryl of 6 to 18 carbon atoms each of which are unsubstituted or substituted by halo, hydroxy or amino; A is -O-, -S-, -C(O)O- or -C(O)NR'- where R' is hydrogen or lower alkyl, R¹ is alkylene of 2 to 6 carbon atoms which is unsubstituted or substituted by hydroxy; R² and R³ are independently hydrogen or lower alkyl, which is unsubstituted or substituted by carboxy or by one or two hydroxyls, one of which may be esterified with phosphoric or sulfuric acid and R is alkylene of up to 3 carbon atoms which is unsubstituted or substituted by hydroxy; or an ophthalmologically acceptable salt thereof;

(b) between 0.01 and 2% by weight of a buffer such as herein described;

(c) between 0.01 and 2% by weight of a water-soluble salt compatible with ocular tissue, and

(d) the remainder water.

(Com. Spec 17 pages;

Drawgs. NIL)

Int. Cl. H05g 1/30.

169731

APPARATUS FOR SLIT RADIOGRAPHY EQUIPPED FOR TAKING EQUALIZED X-RAY PHOTOGRAPHS.

Applicant : B. V. OPTISCHE INDURIE "DE OUDE DELFT", VAN MIEREVELT LAAN 9, 2612 XF DELFT, THE NETHERLANDS.

Inventor : VLASBLOEM HUGO.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

Apparatus for slit radiography equipped for taking equalized X-ray photographs and comprising a combination of an X-ray source and a slit diaphragm for forming a flat fan shaped X-ray beam by means of which a body can be scanned, an X-ray detector for collecting the radiation transmitted through the body, at least one absorption apparatus which is situated near the slit diaphragm and which can influence the quantity of X-ray radiation transmitted through the slit diaphragm instantaneously for a sector of the fan-shaped beam under the influence of suitable regulating signals, detection means which detect the quantity of X-ray radiation instantaneously transmitted through the body per sector of the fan-shaped beam and deliver an input signal to a regulating circuit which forms output signals acting as regulating signals for the absorption apparatus, wherein the regulating circuit, such as herein described, is set for controlling the absorption apparatus in a manner such that a predetermined relationship is maintained between the radiation transmitted through the body for the particular sector of the X-ray beam and the picture halftone (optical density) of the corresponding part of the X-ray photographs to produce the desired contrast differences between relatively large parts of the X-ray photographs, said predetermined relationship being such that above a threshold value (called just threshold value) of the quantity of radiation passed through the body a higher value of the transparency of the body corresponds in a predetermined way to an essentially higher quantity of radiation passing through the body, at

least within ranges of values for the transparency of the body which are relevant for the X-ray photograph.

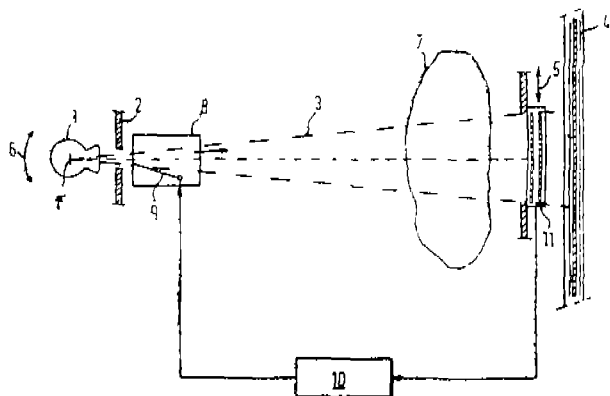


Fig. 1.

Compl. specn. 19 pages Drgs. 2 sheets.

Cl. 40-B

169732

Int. Cl. B01j 31/14.

PROCESS FOR PREPARING AN ALKOXYLATION CATALYST.

Applicant: VISTA CHEMICAL COMPANY,

Applicant: VISTA CHEMICAL COMPANY,
15990N. BARKER'S LANDING HOUSTON, TEXAS
77224 U.S.A.

Inventors: (1) BRUCE EUGENE LEACH. (2)
MARK L. SHANNON. (3) DONALD L. WHARRY.

Application No. 260/Cal/1988 filed March 29, 1988.

Appropriate office for opposition proceedings (Rule
4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A process for preparing an alkoxylation catalyst comprising: forming a catalyst pre-mix by admixing an alkoxyated alcohol mixture containing an alkoxyated alcohol having the general formula $R_1-O-CH_2-CH_2-O-n H$ wherein R_1 is a hydrocarbon radical containing from about 1 to about 30 carbon atoms and n is from 1 to 20 and from 1 to 60%, by weight free alcohol, a calcium containing compound which is at least partially dispersible in said alkoxyated alcohol mixture, an inorganic acid, and an aluminum alkoxide having the general formula



where R_2 , R_3 and R_4 is each a hydrocarbon radical containing from 1 to 30 carbon atoms, said calcium containing compound and said alkoxyated alcohol mixture being mixed prior to addition of said aluminum alkoxide, the combined concentration of the calcium compound, the inorganic acid and the aluminum alkoxide being from 1 to 10 weight %, and

heating said catalyst pre-mix to a temperature and for a time sufficient to effect at least a partial exchange reaction between the alkoxide groups of said aluminum alkoxide and said hydroxyl group of said alkoxyated alcohol and thereby form an active alkoxylation catalyst.

Compl. Specn. 22 pages.

Drgs. Nil.

Cl. 116 G

169733

Int. Cl. B66B, 17/28.

"A DEVICE FOR SMOOTH MOVEMENT OF LIFT CAGES IN COAL MINE SHAFTS".

Applicant & Inventor : SHRI GOBIND SANWARIA, OF
SONEPATTY, DISTRICT JHARIA, DHANBAD, BIHAR,
INDIA.

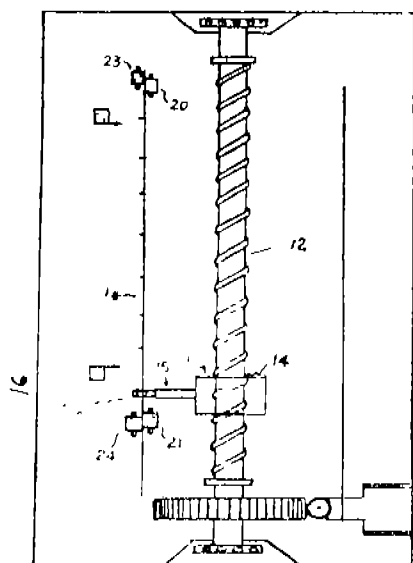
Application No. 287/Cal/1988 filed April 7, 1988.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

19 Claims

A device for smooth movement of lift cages in mines comprising a frame structure having a shaft operationally connected to the main winding up drum of the life-cage cable/rope, said shaft, having a threaded portion representing the depth of a real mine-shaft and mounted on its axis rotatable clockwise or anti-clockwise, an indicator scale provided parallel to and in the vicinity of said shaft having graduations thereon representing the depth of the real mine-shaft, a pointed or similar unit movably mounted on said shaft as it rotates on its axis and adapted to move alongside the said graduations on said indicator, said pointer representing a real life-cage in the mine-shaft, said pointer being optionally provided with an endless belt mounted through at least two pulleys, a first pulley above the upper end of said shaft and a second pulley below the lower end of said shaft such that the endless belt starts from the top end of said pointer, passes over said first pulley above the upper end of the shaft, crosses to the other side of said shaft, passes through the said second pulley below the lower end of the shaft after crossing the lower end of the shaft, and terminates at the lower end of said pointer, a second pointer representing a second real lift-cage in a mine-shaft being mounted on to the endless belt at the other side of the shaft such that when the said pointer is at its lower most position on one said of the shaft, the other second pointer is at the upper most position on the other side of the shaft and such each making the same distance in the opposite directions when the shaft is operated said second pointer being optionally provided with a scale, the device additionally having control means connected to said first and/or second pointer/s for ensuring low/soft banking of the real lift-cage as it stops at a desired level and to prevent over shooting of the real lift

cage from a desired halting location, and also control means to control the speed of said winding drum.



Provisional : 22 pages. Drgs. Nil.
Compl. specn. 27 pages. Drgs. 6 sheets.

Cl. 188.

169734

Int. Cl. B05 B 3/00.

"A PROCESS FOR THE PRODUCTION OF THE SPRAYED SURFACE ON A WORKPIECE".

Applicant : CASTOLIN S.A., OF 168 RUE DE CENTRE, CH-1025 ST.-SULPICE/VD. SWITZERLAND.

Inventor : REINHARD POLAK.

Application No. 303/Cal/1988 filed April 13, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

32 Claims

A process for producing a workpiece having a thermally sprayed surface which hampers sliding and comprises hard particles in a coating metal alloy on the surface of said workpiece characterised in applying a powdery material, which is a mixture of hard particles, especially ceramic particles, and a matrix material made of Ni, Co and/or Fe base alloy spraying, said hard material having a majority grain-size distribution of particles in the range of 25 to 250 µm and the said coating being in the unsintered state and having a surface roughness in the range of Ra 10 to 100 µm with a defined roughness of $R_x \pm 20 \mu m$, wherein x is a number from 10 to 100 µm.

Compln Specn. 9 pages. Drgs. Nil.

Class : 130 I 70 C4

169735

Int. Cl. C 22 B 21/00.

C 25 C 1/00.

"PROCESS FOR THE PRODUCTION OF ALUMINIUM BY ELECTROLYSIS OF ALUMINA AND AN APPARATUS THEREOF".

Applicant : ALUMINIUM PECHINEY OF 23, RUE BALZAC 75008, PARIS, FRANCE.

Inventors : (1) BENOIT SULMONT (2) ALAIN PATERNOGA.

Application No. 308 Cal/1988 filed April 15, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A process for the production of aluminium by electrolysis of alumina dissolved in a molten cryolitic bath, according to the Hall-Heroult process wherein solid electrolyte additions are carried out between a carbon-containing cathode substrate on which is formed a liquid aluminium layer and a plurality of carbon-containing anodes supported by an anode frame whose height can be regulated with respect to a fixed superstructure, characterized, by the improvement that the fluctuations in the level of the electrolytic bath is minimized with in ± 1 cm either (i) by adding ground bath addition if the bath height is below a predetermined nominal value or (ii) by tapping the bath if the bath height is above the said predetermined nominal value and wherein said addition or tapping is carried out by using the formula

$$HB = HT - HM,$$

where HB is the actual distance or height of the electrolytic bath from a fixed reference point in the cell, HT is the total height or distance of the carbon containing cathode surface from the said fixed reference point and HM is the thickness of the liquid aluminium layer on the cathode surface.

and wherein the deviation of HB is determined with reference to aid predetermined nominal value HBC of both the heights from the said fixed reference point, so that said addition or tapping is carried out as required.

Compl. Specn. 18 pages. Drgs. 2 sheets.

Class : 23 B, C.

169736

Int. Cl. A 41 H 19/00

"NEEDLE CASE"

Applicant : BANKOKU NEEDLE MANUFACTURING CO. LTD. OF 3-32, KUSUNOKI-CHO 2-CHOME, NISHIKU, HIROSHIMA-SHI, HIROSHIMA-KEN, JAPAN.

Inventor : MASAMITSU TAKAHASHI.

Application No. 315/Cal/1988 filed April 19, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

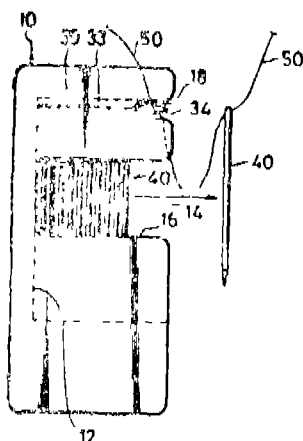
A needle case comprising :

a case member having an accommodation portion capable of accommodating a plurality of needles therein, a notch portion where any of the shanks of the needles can be pinched, a takeout opening from which a needle is extracted, and a cutaway portion through which thread is passed; and

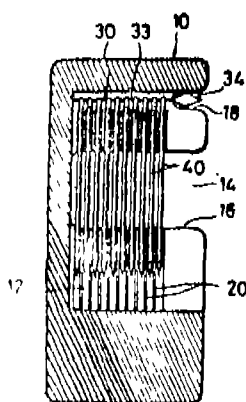
a needle supporting member formed of elastic metal or resin into a forked elongate member having a forked portion fixed to a portion of said case member at a position opposite to the position of said takeout opening of said case member, an extension portion extending in a direction in which a needle is extracted and passing through the eyes of the needles to support the needles in a suspended state within said accommodation of said case member, and an expansion portion disposed at a position corresponding to the position of said cutaway portion of said case member, having a hole of a diameter substantially the same as the width of said cutaway portion of said case member and large enough to easily pass thread therethrough, and capable of preventing the needles from passing therethrough due to an elastic force of the material thereof in an expanding direction thereof under normal conditions but permitting a needle to pass

therethrough against the elastic force when a force for extracting the needle from said takeout opening of said case member is exerted on the needle.

Fig-1



(Fig-2)



Compl. Specn 15 pages. Drgs. 4 sheets.

Class : 31 A

169737

Int. Cl. H 01 G 4/28.

"CAPACITOR CONTAINING AN ADSORBENT MATERIAL".

Applicant : GENERAL ELECTRIC COMPANY OF 1 RIVER ROAD, SCHENECTADY 5, NEW YORK, UNITED STATES OF AMERICA.

Inventor : ROBERT CLAYTON CRUM.

Application No. 326/Cal/1988 filed 22 April, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 Claims

1. A capacitor comprising :

- (a) a housing;
- (b) means within the housing for storing and releasing electrical energy;
- (c) at least two terminals electrically connected to the electrical storing means; and
- (d) means in said housing for absorbing at least a portion of the contaminants present in said capacitor.

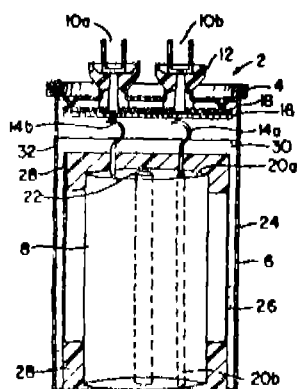


Fig-1

Compl. Specn. 17 pages. Drgs. 4 sheets.

Class : 40 F.

169738

Int. Cl. B 01 J 19/00.

"AN APPARATUS FOR SORPTIVELY STORING A MULTICONSTITUENT GAS".

Applicant : MICHIGAN CONSOLIDATED GAS COMPANY, OF 500 GRISWOLD, GUARDIAN BUILDING DETROIT, MICHIGAN 48226, UNITED STATES OF AMERICA

Inventors : (1) KENNETH STEVE C/URWINSKI (2) JOHN WALTER TURKO.

Application No. 333/Cal/1988 filed 25 April, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

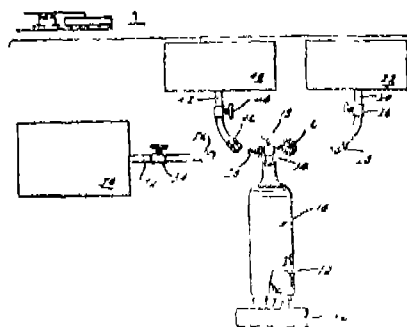
1 Claims

An apparatus for sorptively storing a multi-constituent gas for selectively releasing the multiconstituent gas such as herein described from, a vessel having a predetermined sorbent material such as herein described therein the multi-constituent gas being composed of at least two constituents, a first of the constituents being preferentially sorbed by the predetermined sorbent material over a second of the constituents, and the first of the constituents being present in the multi-constituent gas in a predetermined minimum quantity substantially less than the quantity of the second constituent present in the multiconstituent gas, said apparatus being adapted for substantially preventing the first constituent from being substantially sorptively removed from the multi-constituent gas upon release of the stored multi-constituent gas from the vessel, said apparatus comprising :

means (160) for sorptively saturating the sorbent material in the vessel with a pre-storage quantity of the first constituent at a first predetermined pressure;

means (42, 44, 46) for introducing the multi-constituent gas under pressure into the vessel after the sorbent material has been sorptively saturated and pressurizing the vessel with the multi-constituent gas to a second predetermined pressure higher than said first predetermined pressure in order to cause both of the first and second constituents of the multi-constituent gas to be sorptively stored therein; and

means (18) for selectively releasing the stored and pressurized multiconstituent gas from the vessel, the sorbent material thereby desorptively releasing the multi-constituent gas with the first constituent present therein in at least said predetermined minimum quantity, as the pressure in the vessel decreases during said release.



Compl. Specn. 18 pages. Drgs. 1 sheet.

Class : 190B, C.

169739

Int. Cl. F01d 5/00.

BILATERALLY SERRATED STEEPLE ROOT PORTION OF A TURBINE BLADE TO BE ATTACHED TO A TURBINE ROTOR.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, U.S.A.

Inventors : (1) FRANK ANDREW PISZ (2) ARTHUR S. WARNOCK (3) ROGER WALTER HEINIG.

Application No. 334/Cal/1988 filed 25 April, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

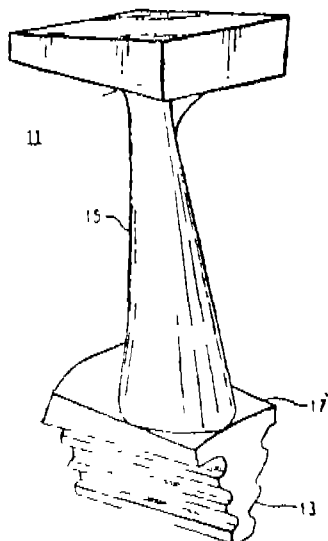
A bilaterally serrated steeple root portion (13) of a turbine blade (11) to be attached to a turbine rotor (21), said root portion being symmetric about a surface of symmetry, the rotor (21) having a longitudinal axis of symmetry, the blade having a foil portion and optionally a platform interposed between the foil portion and said root said root having a configuration complementary to the steeple shaped groove disposed about the periphery of the turbine rotor in which said root would be positioned, and said root comprising :

an upper serrated portion positioned against the foil portion or platform, said upper portion including a pair of upper tangs of symmetrically arranged on opposite sides of said root, a pair of upper fillets each spaced a distance apart and having a radius of curvature, r_t , of at least $0.13 d$, each upper fillet positioned between a corresponding one of the upper tangs and the foil portion or the platform, and a pair of upper lands, each of the lands being positioned between a corresponding one of the fillets and an associated one of the tangs, the upper lands having a projected width, w_t , no greater than $0.65 r_t$, said projected width taken along a plane perpendicular to the surface of symmetry and parallel to the rotor axis for the transmission of centrifugal forces between the turbine blade and the rotor;

a middle serrated portion extending from said upper portion in a direction away from foil portion or the platform, said middle portion including a pair of middle tangs symmetrically arranged on opposite sides of said root, a pair of middle fillets each having a radius of curvature, r_m , of at least $0.075 d$, each middle fillet positioned between an upper tang and a middle tang on opposite sides of said root, each middle fillet adjoining a different middle land, and two middle lands, each of the middle lands having a projected width, w_m , no greater than $1.25 r_m$, each middle land being interposed between fillet and a middle tang for the transmission of forces between the turbine blade and the rotor;

and

a lower serrated portion extending from said middle portion in a direction away from the foil portion or the platform, said lower portion including a pair of lower tangs symmetrically arranged on opposite sides of said root, a pair of lower fillets each having a radius of curvature, r_b , at least $0.075 d$, each lower fillet positioned between a middle tang and a lower tang on opposite sides of said root, each lower fillet adjoining a different lower land, and the two lower lands each having a projected width, w_b , no greater than $1.25 r_b$, each lower land interposed between a lower fillet and a lower tang for the transmission of forces between the turbine blade and the rotor.



Compl. Specn. 35 pages. Digs. 6 sheets.

Class : 141-A&D.

169740

Int. Cl. B03b 5/06, 5/58.

CONCENTRATOR FOR BENEFICIATING MINERALS.

Applicant : VSESOUZNY NAUCHNO-ISSLEDOVATELSKY INSTITUT ZOLOTA I REDKIKH METALLOV USSR, MAGADAN, ULITSA GAGARINA.

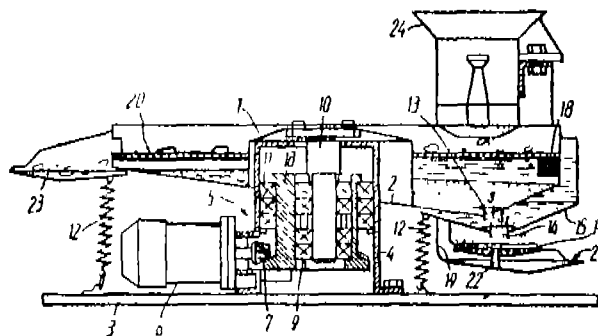
Inventor : GRIGORY MAXIMOVICH PONOMAREV.

Application No. 673/Cul/1988 filed August 8, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claim

A concentrator for beneficiating minerals comprising : a beneficiating member in the form of a bowl with a tapered bottom a concavity of which has a discharge hole; a base having a hub; a drive mechanism including a hollow drive shaft journaled in bearings in the base hub and having a shaft secured in bearings with an eccentricity and carrying the beneficiating member executing a circular movement about a circle of a radius equal to the eccentricity the bowl of the beneficiating member having an elliptical cross section and connected to the base by flexible elements the concavity of the tapered bottom of the bowl is offset relative to the shaft carrying this bowl; a tray for executing the final concentration of the material disposed on the bowl under the discharge hole of the concavity of the tapered bottom.



Compl. Specn 10 pages. Drgs. 3 sheets.

Ind. Cl. : 32A..

169741

Int.Cl. : C09B 10/00.

A PROCESS FOR PREPARING TRIPHENDIOXAZINE DYE STUFFS.

Applicant : BAYER AKTIENGESELLSCHAFT, A BODY CORPORATE ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF LEVERKUSEN, BAYERWERK, FEDERAL REPUBLIC OF GERMANY.

Inventors : HORST JAGER, WOLF GANGHARMS & KARL JOSEF HERD.

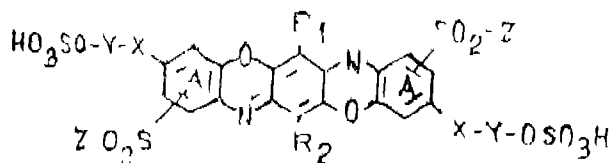
Application for Patent No. 11/DEL/85 filed on 08 Jan 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

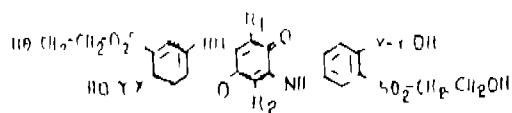
A process for preparing triphendioxazine dyestuffs of formula I of the drawings wherein

Formula I



R_1, R_2 denote H, halogen or a substituent of the kind as herein described, X denote NR_3, O or S, R_3 denote H or a C_1-C_4 -alkyl group optionally substituted with a water-solubilizing or hydrophilic groups, Y denote C_2-C_6 -alkylene which is substituted or interrupted in the alkylene chain by hetero atoms, Z denote $-CH-CH_2$ or $-CH_2-CH_2-W$ wherein W is a detachable radical whose detachment is accompanied by the formation of a $-CH-CH_2$ group, such as $-OSO_3H, -SSO_3H$ or $-OPO_3H_2$, or $-O$ acyl, in particular $-O-C_3-C_4$ -alkylcarbonyl, and the rings A can have further customary substituents as herein described characterised in that compound of the formula VI of the drawings.

Formula VI



wherein R_1, R_2, X and Y are as defined above is subjected to a ring closure reaction in the presence of concentrated sulfuric acid or oleum having a SO_3 concentration of 1-50% at temperature of 10-80°C, if desired in the presence of oxidising agents such as herein described to produce the dyestuffs of formula I of the drawings.

(COMPLETE SPECIFICATION 20 PAGES DRAWINGS SHEETS 10).

Ind Cl 32 B

169742

Int Cl⁴ C10L 1/02.

A FUEL COMPOSITION

Applicant UNION RHEINISCHE BRAUNKOHLN KRAFTSTOFF AG, OF POSTFACH 1663, D-5047 WESSELLING, WEST GERMANY, A GERMAN COMPANY

Inventors HEINRICH MULLER AND KARL HEINZ KEIM

Application for Patent No 902/Del/86 filed on 29 Oct 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A fuel composition based on alcohol selected from methanol, ethanol and mixture thereof comprising said alcohol, upto 25 wt.% of water, C_4 hydrocarbon and a mixture of hydrocarbons selected from C_5, C_6 and C_7 hydrocarbons wherein the total amount of said C_4 to C_7 hydrocarbons in said fuel is from 0.1 to 18% by wt. and the ratio of C_4 : said hydrocarbon mixture is 1.500 parts by weight to 3.1 parts by weight.

(COMPLETE SPECIFICATION 26 PAGES DRAWING SHEETS 5).

Ind Cl 70 A

169743

Int Cl⁴ H01M 6/00 &

C25B 11/00 & 11/20

ELECTRICITY CELL

Applicant IMPERIAL CHEMICAL INDUSTRIES PLC, A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILBANK LONDON SW1P 3 JF, ENGLAND.

Inventor STEPHEN RICHARD JAMES

Application for Patent No 892 DEL/86 filed on 07 Oct., 1986

Convention date 22 Oct 1985/8526054/G B

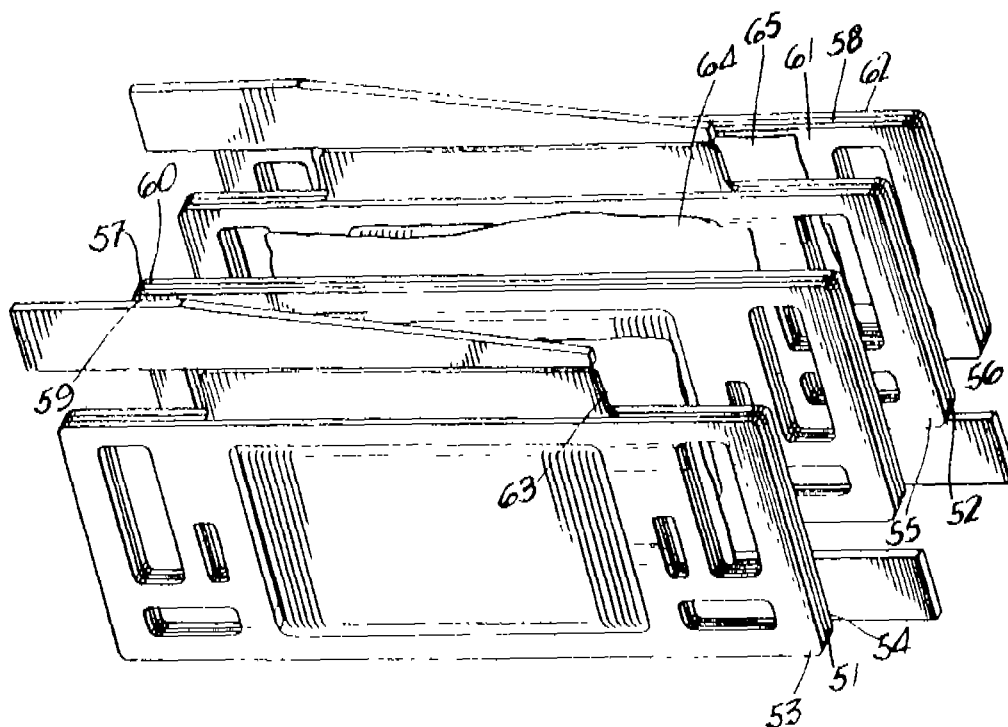
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

15 Claims

An electrolytic cell of the filter press type which comprises a plurality of plate like anodes (57, 58) cathodes (51, 52) and gaskets (53, 54, 55, 56) of an electrically-insulating material, and an ion-exchange membrane (63, 64, 65) positioned between each anode and adjacent cathode to form in the cell a plurality of anode compartments and cathode compartments of the anodes, cathodes and the gaskets at least each of the gaskets in the electrolytic cell containing a plurality of apertures (4-7) therein, said apertures together forming compartment lengthwise of the cell which serves as a header from which electrolyte may be charged to the anode compartments of the cell and from which liquor may be charged to the cathode compartments of the cell, and to which products of electrolysis may be removed from the anode compartments and cathode compartments of the cell, the cell being provided with communicating means for the communication between the said header and the anode and cathode compartments, characterised in that of the anodes, cathodes and the gaskets, at least each of the gaskets containing additionally at least one aperture (8, 9) therein, said aperture together

forming a compartment lengthwise in said cell which serves as a balancing header connected only to the anode

compartments of the cell, or only to the cathode compartments of the cell.



(Comp. Specn. 24 pages;

Drawgs. 3 sheets.)

Ind. Cl. : 80G VI

169744

Int. Cl.⁴ : 801D 13/00

METHOD AND APPARATUS FOR CONTINUOUSLY FLOCCULATING A SLURRY OF MINERAL PARTICLES.

Applicant : PETERSON FILTERS CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF UTAH, UNITED STATES OF AMERICA, OF 1949 SOUTH 300 WEST, SALT LAKE CITY, STATE OF UTAH, UNITED STATES OF AMERICA

Inventor : CLARENCE LYNN PETERSON & JAY B. CLITHEROE.

Application for Patent No. 719/DEL/86 filed on 8th August 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patent rule 1972) Patent office Branch New Delhi-5.

Claims 22

A method for continuously flocculating a slurry of mineral particles of relative small size such as herein described, to form floccule particles prior to filtration of the mineral particles, said method comprising continuously feeding the slurry in a flocculation tank, characterised by the steps of subjecting the slurry in the flocculation tank to intense mechanical agitation at a speed of 300 to 600 feet per minute, producing rapid turbulent motion, and simultaneously introducing therein a diluted polymer flocculant material which is also subject to intense mechanical agitation along with the slurry to react rapidly and thoroughly with the slurry particles to form relatively small bead-like floccule particles; and continuously discharging the slurry comprising said floccule particles which may be subsequently filtered at unusually fast rates to produce filter cakes that are firm and non-sticky for excellent, clean rapid filter cake release and discharge.

(Com. Specn. 31 pages;

Drgs. 3 sheets.)

Ind. Cl. : 170 A

169745

Int. Cl.⁴ : C11D 1/00

A LIQUID DETERGENT COMPOSITION FREE OF QUATERNARY AMMONIUM SOFTENING COMPOUNDS FOR SIMULTANEOUSLY CLEANING AND SOFTENING FABRICS

Applicant : COLGATE-PALMOLIVE COMPANY, OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, U.S.A., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A.

Inventor : HEDRUM F. MAASER.

Application for Patent No. 52 DEL/87 filed on 27 Jan., 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

12 Claims

A liquid detergent composition free of quaternary ammonium softening compounds for simultaneously cleaning and softening fabrics, comprising a fabric softening alkyl mono or polyglycoside of the kind such as herein described in an amount of from 6% to 30% by weight, a nonionic surfactant of the kind such as herein described in an amount of from 15% to 30% by weight and an anionic surfactant of the kind such as herein described in an amount of from 4% to 12% by weight, in an aqueous carrier.

(Comp. Specn. 23 pages.)

Ind. Cl. : 32 F1

169746

Int. Cl.⁴ : C07C 33/42

A FACILE ENZYMIC RESOLUTION PROCESS FOR THE PREPARATION OF R-(—)-1,1,1-TRICHLORO-2-HYDROXY-4-METHYL-3-PENTENE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : ZAINAB MULJIANI, SHRIKRISHNA MODAK, SMITA GADRE & RAJAT BARAN MITRA.

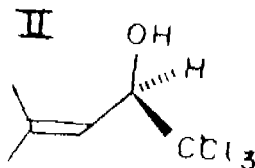
Application for Patent No. 651/DEL/87 filed on 29 Jul. 1987.

Complete Specification left on 13 Jul 1988.

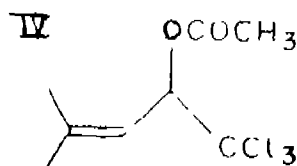
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

An enzymatic resolution process for the preparation of R-(—)-1, 1, 1-trichloro-2-hydroxy-4-methyl-3-pentene of formula II.



which comprises adding racemic acetate of formula IV



to a culture broth of *B. Subtilis* designated as NCIM 2010, incubating the said mixture at 30°C for 24 hrs to 48 hrs on a shaker, extracting the mixture with ether, washing the ether layer with brine, drying over sodium sulfate, evaporating and purifying the resultant product by conventional methods.

(Prov. Specn. 3 pages;

Drwg. 1 sheet.)

(Comp. Specn. 6 pages.)

Ind. Cl. : 40 F & I

169747

Int. Cl. : G01B 7/14 & G01N 31/22

A PROCESS FOR THE PREPARATION OF INDICATOR PAPER FOR ON THE SPOT TESTING OF IODINE IN THE RANGE OF 15-42 ppm IN IODATED SALT.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : SHARAD DURGASHANKER BHATT, SATISH HARIRAY MEHTA, ROHIT HARIKRISHNA TRIVEDI, GOPAL DATT ATREYA BHAT & BHAGWAN PANDURANG CHOUDHARI.

Application for Patent No. 724 DEL 87 filed on 19 Aug. 1987. Complete Specification left on 28 April, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A process for the preparation of an indicator paper for on the spot testing of iodine in the range of 15-40 ppm in an iodated salt when mixed with citric acid which comprises impregnating chromatographic grade paper in an aqueous solution of sodium thiosulphate soluble starch and potassium iodide and drying the impregnated paper in air characterised in that the concentration of sodium thiosulphate starch and potassium iodide in the said solution is .0001417N(351.42 mg/l), 1g/100 ml & 0.5g/100 ml respectively.

(Provisional Specification 6 pages).

(Complete Specification 7 pages).

Ind. Cl. : 80 K

169748

Int. Cl. : B01D 35/06

MAGNETIC GRAVITY FILTER FOR MAGNETIC SEPARATION OF SUBSTANCES.

Applicant : UKRAINSKY INSTITUT INZHENEROV VODNOGO KHOZYAYSTVA, OF ULITS A LENINSKAYA, II, ROVNO, U.S.S.R., A U.S.S.R. INSTITUTE.

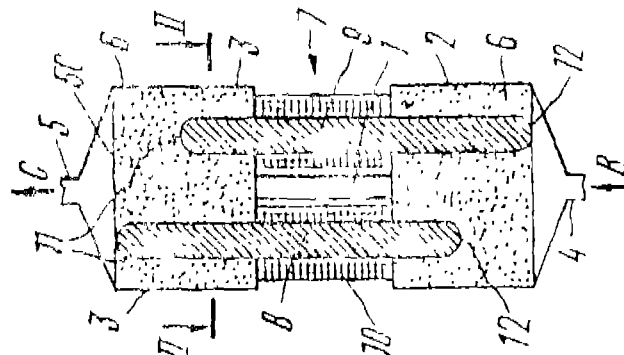
Inventors : VYACHESLAV IVANOVICH GARASCHENKO, ALEXANDR VASILIEVICH SANDULYAK, SERGEI ALEXANDROVICH KUZNETSOV & ALEXANDR PETROVICH VEZHANSKY.

Application for Patent No. 1136 DEL 87 filed on 28 Dec. 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

Claims 17

A magnetic gravity filter comprising two chambers (2,3) intercommunicating by way of a connecting pipe (1), each said chamber (2 or 3) accommodating a ferromagnetic insert (6) acted upon by a magnetic field produced by a magnetic device (7) one of the chambers (2) being provided with a pipe (4) for feeding a fluid medium to be cleaned, whereas the other chamber (3) is provided with a pipe (5) for discharging the cleaned fluid medium; the magnetizing device (7) having one pair of oppositely positioned cores (8,9) and sources (10) of magnetic field; end sections (11, 12) of the cores (8, 9) of the magnetizing device (9) being disposed in the chambers (2, 3) inside the ferromagnetic insert (6) to extend to a preset depth ensuring provision of conditions for uniform magnetization of the ferromagnetic insert (6) in each chamber (2, 3).



(Com. Specn. 22 pages;

Drawgs. 6 sheets)

Ind. Cl. : 77-D

169749

Int. Cl. : C11B 3/10

IMPROVED ABSORBENT COMPOSITION FOR THE REMOVAL OF TRACE CONTAMINANTS AND/OR COLOUR FROM GLYCERIDE OILS.

Applicant : W.R. GRACE & CO.-CONN, FORMERLY KNOWN AS W.R. GRACE & CO., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF CONNECTICUT, UNITED STATES OF AMERICA, NEW YORK, NEW YORK 10036, UNITED STATES OF AMERICA.

Inventors : JAMES NEBL PRYOR, JAMES MARLOW BOGDANOR & WILLIAM ALAN WELSH.

Application for Patent No. 428/DEL/88 filed on 13th MAY, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

13 Claims

An improved absorbent composition for the removal of trace contaminants and/or colour from glyceride oils which comprises amorphous silica which supports within having a

pKa of 3.5 or lower, said absorbent composition having an acidity factor of at least 2.0×10^{-8} and a PH of 3.0 or lower.

(Comp. Specn. 30 pages;

Drg. NIL).

Ind. Cl. : 84 B

169750

Int. Cl.⁴ : C10L 1/02

FUELS BASED ON ALCOHOLS.

Applicant : UNION RHEINISCHE BRAUNKOHLEN KRAFTSTOFF AG., OF POSTFACH 1663, D-5047 WESSELING, WEST GERMANY, A GERMAN COMPANY.

Inventors : HEINRICH MUIER & KARL-HEINZ KEIM.

Application for Patent No. 550 DEL 88 filed on 29 June, 1988.

Divisional to Application No. 902 DEL 85 filed on 29 Oct., 1985

Ante-dated to 29 Oct., 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

Fuel composition based on alcohol selected from methanol, ethanol or mixtures thereof which comprises said alcohol, upto 25% weight of water, and a mixture of C hydrocarbons such as herein described and gasoline wherein,

a) the total amount of C₄-hydrocarbons and gasoline in the fuel amounts to 0.1 to 25 weight percent, and

(b) the ratio of C₄-hydrocarbons : gasoline is 1 : 500 parts by weight to 3 : 1 parts by weight.

(Comp. Specn. 26 pages;

Drwgs. 10 sheets.)

PATENT SEALED

166408	167373	167393	167551	167580	167600	167657
167658	167665	167667	167726	167727	167739	167788
167807	167810	167839	167856	167857	167858	167871
167887	167894	167953	167964	167966	168343	168413
168531	168715					

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Del-12

Mas-07

Bom-03

RENEWAL FEES

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153862	153948	154237	154238	154240	154241	154256
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160013	160047	160107	160147	160216	160526	160529
160574	160667	160687	160739	160745	160803	160876
160907	160977	161055	161142	161143	161151	161155
161157	161208	161209	161219	161267	161277	161294
161295	161296	161298	161324	161412	161522	161523
161524	161549	161702	161705	161842	161844	161879
162029	162037	162250	162493	162596	162790	162876
162952	162998	163119	163172	163176	163274	163449
163464	163489	163556	163584	163648	163671	163814
163827	163831	163835	163842	163900	163901	163912
163914	164001	164003	164058	164108	164173	164175
164202	164434	164485	164590	164607	164751	164753
164778	164803	164909	165123	165128	165144	165164
165295	165296	165297	165300	165320	165464	165526
165527	165677	165801	165802	165834	166001	166164
166165	166169	166183	166184	166186	166245	166251
166255	166257	166258	166259	166285	166419	166513
166516	166517	166657	166661	166662	166663	166665
166668	166669	166681	166685	166686	166688	166790
166804	166828	166861	166915	167120	167136	167292
167295	167420	167428	167470	167479	167786	

CESSATION OF PATENTS

154852	157971	158937	158938	158939	159116	160351
160443	160621	163641	163644	163645	164482	165360
165838	166187	166654				

REGISTRATION OF ASSIGNMENT, LICENCE ETC. (DESIGN)

Assignments, Licences or other transaction affecting the interest of the original proprietors has been registered in the following case. The number of case is followed by the names of the applicants for registration :

No. 160082 : MEREBIN PTY LTD. A WESTERN AUSTRALIAN COMPANY, SUITE 19, 2ND FLOOR, 123-A COLIN STREET, WEST PERTH, WESTERN AUSTRALIA, 6005, AUSTRALIA.

REGISTRATION OF ASSIGNMENT, LICENCES ETC. (DESIGN)

Assignment, Licence or other transaction affecting the interest of the original proprietors have been registered in the following case. The number of the case is followed by the names of the applicant for registration.

No. 161213 : V.V.V.D. FOOD AND AGRO PRODUCTS PVT. LTD., NO. 6/11, CASA MAJOR ROAD, "CASA BLANCA", 2ND FLOOR, EGMORE, MADRAS-600008.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration of the design included in the entry.

Class 1. Nos. 163166, 163167 & 163169. Bharat Industries, Sardar V. P. Road, Janta Garden Chowk, Rajkot-360002, Gujarat State, India, an Indian Partnership firm. "KNIFE". 25th April, 1991.

Class 1. No. 163307. Naithan Saifi, Nai Basti, Nai Saraj, Budayu (U.P.), India, an Indian National. "Bicycle". 12th June, 1991.

Class 1. No. 163341. Bharat Industries, Sardar V. P. Rd., Janta Garden Chowk, Rajkot-360002, Gujarat State, India, Indian Partnership firm. "Churnner". 25th June, 1991.

- Class 1. No. 163417. Larsen & Toubro Limited, of I & T House, Ballard Estate, Bombay-400048, Maharashtra, India, an Indian Company. "a Tear Off Seal". 18th July, 1991.
- Class 1. No. 163452. Yeshwant Gopal Bhogale Proprietor. Aryan Traders, a Sole Proprietary concern, 153-B, Bhalchandra Road, Dongre Building, Matunga, Bombay-400019, Maharashtra State, India, A Subject of the Republic of India. "A Folding Chair". 26th July, 1991.
- Class 3. Nos. 162988, 162989, 162991, 162992 & 162993. Sinter Plast Containers, a company incorporated under the Company's Act, Plastics Division of The Bharat Vijay Mills Ltd., Kalol (N.C.), Pin : 382721, Gujarat State, India. "BOX" 7th March, 1991.
- Class 3. Nos. 163110 & 163111. Hindustan Lever Limited, 165/166 Backbay Reclamation, Bombay 400020, Maharashtra, India. "Bottle". Reciprocity date is 8th October, 1990 (U.K.).
- Class 3. No. 163141. Sinter Plast Containers, a Company incorporated under the Companies Act, Plastics Division of The Bharat Vijay Mills Ltd., Kalol (N.C.) Pin : 382721, Gujarat State, India. "Flower Pots". 15th April, 1991.
- Class 3. No. 163142. Sinter Plast Containers, a Company incorporated under the Companies Act, Plastics Division of The Bharat Vijay Mills Ltd., Kalol (N.C.), Pin : 382721, Gujarat State, India. "Louvers & Ventilators used in widow in any premises". 15th April, 1991.
- Class 3. No. 163161. Compagnie Generale Des Etablissements Michelin-Michelin & Cie, of 12, Cours Sablon, 63040 Clermont-Ferrand Cedex, France, a French Company. "Moped Tyre". 23rd April, 1991.
- Class 3. Nos. 163173 & 163174. Sumitomo Rubber Industries Ltd., a Japanese corporation organised and existing under the laws of Japan, Manufacturers and Merchants, of No. 1-1, Tsutsui-cho 1-Chome, Chuo-ku, Kobe-shi, Hyogo, Japan. "Tyre for a Vehicle Wheel". 26th April, 1991.
- Class 3. No. 163175. Leif Nilsson, a Swedish citizen of Blabarsvagen 1, S-26040 Viken, Sweden. "Urine Tube". 26th April, 1991.
- Class 3. No. 163188. Dwarkadas Dahyabhai Maniar, also trading as D.D. Maniar and also as Narendra Plastic Industries, registered Indian Partnership firm of 73, 3rd Bhoiwada, Bombay-400003; Maharashtra, India. "Comb". 30th April, 1991.
- Class 3. No. 163193. Pfizer Hospital Products Group, INC., a corporation organised under the laws of the State of Delaware, United States of America of 235 East 42nd Street, New York, State of New York, United States of America. "Blood collection and Reinfusion Device". 1st May, 1991.
- Class 3. No. 163198. Sinter Plast Containers, Plastics Division of The Bharat Vijay Mills Ltd., a Company incorporated under the Companies Act, 1956 Kalol (N.C.)-382721, Gujarat State, India. "Flower Pot". 1st May, 1991.
- Class 3. No. 163213. Chinar Trust, through its trustee Mr. Neelkant Ratanker Dongre, C-37-Connaught Place, New Delhi-110001, India. An Indian Trust. "Sewing Machine Table". 3rd May, 1991.
- Class 3. No. 163214. Chinar Trust, through its trustee, Neelkant Ratanker Dongre, C-37-Connaught Place, New Delhi-110001 India. An Indian Trust. "Sewing Machine Base with Cover". 3rd May, 1991.
- Class 3. No. 163220. Chinar Trust, through its trustee Neelkant Ratanker Dongre, C-37-Connaught Place, New Delhi-110001 India. An Indian Trust. "Dishwasher". 6th May, 1991.
- Class 3. No. 163332. Samir Kantilal Shah, an Indian National 'Prakash', 66 Swastik Society, North-South Road No : 2, J.V.P. Development Scheme, City of Bombay 400056, State of Maharashtra, India. "Bottle Cap". 24th June, 1991.
- Class 3. Nos. 163334, 163336 & 163337. Samir Kantilal Shah, an Indian National. 'Prakash', 66 Swastik Society, North-South Road No. 2, J.V.P. Development Scheme, City of Bombay 400056, State of Maharashtra, India. "Bottle". 24th June, 1991.
- Class 3. Nos. 163360 & 163361. Kenzo, a French company of 3 Place des Victoires, 75001 Paris, France. "Container". 27th June, 1991.
- Class 3. No. 163467. Pratap Plastics, B-106, Varmani Industrial Estate, Off : Western Express Highway, Goregaon (E), Bombay-63, State of Maharashtra, India, an Indian Partnership firm. "Soap Box". 29th July, 1991.
- Class 3. No. 163470. Ashish Enterprises, Iranj Building, Ground floor, 303, Cawasji Street, Bombay-400002, State of Maharashtra, India, an Indian Partnership firm "Pen-stand-cum-calendar". 29th July, 1991.
- Class 3. Nos. 163650 to 163652. Supreme Industries Ltd., A Public Limited Company with address at 17/18 Shah Industrial Estate, Veera Desai Road, Andheri (West), Bombay 400058 Maharashtra, India. "Moulded Chair". 7th October, 1991.
- Class 4. Nos. 163112 & 163113. Hindustan Lever Limited, 165/166 Backbay Reclamation, Bombay 400020, Maharashtra, India. "Bottle". Reciprocity date is 8th October, 1990 (U.K.).
- Class 4. No. 163165. Newtronics Pty. Limited, an Australian company of 149-159 Capel Street, North Melbourne, in the State of Victoria, 3051, Australia. "Lamp Base". 24th April, 1991.
- Class 4. No. 163335. Samir Kantilal Shah, an Indian National, 'Prakash', 66 Swastik Society, North-South Road No : 2, J.V.P. Development Scheme, City of Bombay 400056, State of Maharashtra, India. "Bottle". 24th June, 1991.
- Class 5. No. 163296. Purolator India Limited, of 1 Sri Aurobindo Marg, New Delhi-110016, India, an Indian Company. "Aviation fuel Filter". 6th June, 1991.
- Class 12. No. 163480. Richie Rich Products, A-18, Ram House, Middle Circle, Connaught Place, New Delhi-110001, India and Indian sole Proprietorship concern. "Wall Clock Toy made of fabrics". 30th July, 1991.
- Class 12. No. 163490. Richie Rich Products, A-18, Ram House, Middle Circle, Connaught Place, New Delhi-110001, India and Indian sole Proprietorship concern. "Wall Clock Toy made of fabrics". 2nd August, 1991.

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Nos. 159062, 159063, 159064, 158751, 157596, 157595, 152663. Class-1.

Nos. 159065, 159066, 159067, 157385, 162769, 157800, 157494, 160366, 159969, 159970. Class-3.

No. 162879. Class-4.

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Nos. 162769, 151856, 159969, 159970. Class-3.

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